

Brigham Young University Quarterly

Vol. XV

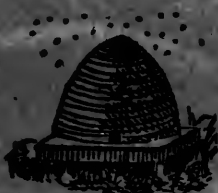
MAY 1, 1919

No. 4

Annual Catalogue

FOR THE SCHOOL YEAR

1919 - 20



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GIFT OF

Brigham Young University Quarterly

Annual Catalogue for
School Year
1919-20

Published by
The Brigham Young University
Provo, Utah

University Calendar

1919.

September 8 and 9, (Monday and Tuesday) Registration of Students.

September 10, Instruction begins.

October 16, (Thursday) Founder's Day.

November 26, (Wednesday) Autumn quarter closes.

December 1, (Monday) Winter quarter begins.

December 19, (Friday) Christmas vacation begins.

1920.

January 5, (Monday) Instruction resumed.

March 5, (Friday) Winter quarter closes.

March 8, (Monday) Spring quarter begins.

May 23, (Sunday) Baccalaureate Sermon.

May 28, (Friday) Forty-fourth Commencement Exercises.

CHURCH TEACHERS' COLLEGE SUMMER QUARTER.

1920.

June 7, (Tuesday) Registration.

June 8, (Wednesday) Instruction begins.

July 9, (Friday) First term closes.

July 12, (Monday) Second term begins.

August 20, (Friday) Second term closes.

Church School Officers

GENERAL CHURCH BOARD OF EDUCATION.

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JESSE KNIGHT, Chairman

JOSEPH R. MURDOCK

WILSON H. DUSENBERRY

REED SMOOT

STEPHEN L. CHIPMAN

The High School District of the Brigham Young University comprises the following stakes of Zion: Utah, Alpine, Nebo, Wasatch, Juab, and Tintic.

UNIVERSITY COUNCIL

The University Council is comprised of the Presidency of the University, the Secretary of the Faculty, the Registrar, the Librarian, the Matron, the Custodian, the Purchasing Agent, the Heads of Departments, and the Principal of the High School.

The Faculty

GEORGE H. BRIMHALL, B. Pd., D. Sc., D.,
President.

JOSEPH B. KEELER, D. B., M. Ac.,
First Counselor in the Presidency and Supervisor of Theology.

AMOS N. MERRILL, M. S.,
*Second Counselor in the Presidency, Dean of the Church Teachers'
College.*
Professor of Agriculture.

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Professor of Business Education.

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Instructor in Accounting.

ANNIE L. GILLESPIE.
Librarian.

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Director Elementary Training School.

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Professor of Music.

ERNEST D. PARTRIDGE, B. S., C. E.,
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JOHN C. SWENSON, A. B.,
Professor of Economics and Sociology.

BRIGHAM YOUNG UNIVERSITY.

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Acting Matron.

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Director of Mechanics.

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Professor of Geology,

MARTIN P. HENDERSON, Ph. D.
Professor of Biology.

CHARLES W. WHITAKER, A. B.,
Professor of Foreign Languages.

L. H. PETERSON, A. M.,
Professor of Secondary Education.
Director of Secondary Training.

VILATE ELLIOTT, B. Pd.,
Professor of Domestic Art.

LOTTIE HARRIS, A. B.,
Professor of Domestic Science.

ROBERT SAUER,
Associate Professor of Music (Wind Instruments).

MOSES GUDMUNDSON,
Associate Professor of Music (Violin).

BENT F. LARSON, A. B.,
Associate Professor of Education in Art and Manual Training

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Associate Professor of Education.

T. EARL PARDOE,
Associate Professor of English in Oral Expression and of Physical Education.

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Assistant Professor of Education.

IDA S. DUSENBERRY, B. Pd.,
Assistant Professor of Education.

HERALD R. CLARK, A. B.,
Assistant Professor of Commerce.

THATCHER C. JONES, M. C. S.
Assistant Professor of Commerce.

HERMESE PETERSON,
Assistant Professor of Education.

HANS ANDERSON,
Instructor in Ironwork.

WM. H. SNELL, A. B.,
Instructor in Woodwork.
Assistant Director in Mechanics.

MYRTLE HONE,
Instructor in Typewriting.

A. E. ANDERSON,

Instructor in Auto Mechanics.

WALTER COTTAM, M. A.,

Instructor in Biology.

HATTIE WRIGHT, A. B.,

Instructor in Domestic Science.

WM. H. BOYLE, A. B., *Principal High School.*

N. L. NELSON, B. Pd., *English.*

WM. J. SNOW, A. B., *History.*

ARETTA YOUNG, B. Pd., *Art.*

LIDA EDMUNDS, *Piano.*

MAZIE CAMPBELL, A. B., *Domestic Art.*

ALGIE EGGERTSEN, A. B., *Physical Education and English.*

MILTON MARSHALL, A. B., *Physics and Mathematics.*

LORIN JONES, *Spanish.*

ASSISTANTS.

MARYLENE MAW, *Typewriting and Shorthand.*

ELMER NELSON, *Piano.*

ALENE PHILLIPS, *Violin.*

SECONDARY TRAINING SCHOOL FACULTY.

- L. H. PETERSON, A. M., *Director*.
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C. F. EYRING, M. A., *Physics and Mathematics*.
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WILLIAM J. SNOW, A. B., *History*.
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C. W. WHITAKER, A. B., *Foreign Languages*.
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J. M. JENSEN, A. B., *English*.
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T. EARL PARDOE, *Oral Expression*.

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M. WILFORD POULSON, M. A., *Assistant Director*.
HERMESE PETERSON, *Assistant Director*.
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BENT F. LARSON, A. B., *Art and Manual Training*.
FANNIE McLEAN, B. Pd., *Critic and Grade Teacher*.
PEARL SNOW, *Critic and Grade Teacher*.
CORDELIA ANDERSON, *Critic and Grade Teacher*.
GARDA GEE, *Critic and Grade Teacher*.
ANNIE G. ANDERSON, *Critic and Grade Teacher*.
AGNES CRANDALL, *Critic and Grade Teacher*.

STANDING COMMITTEES.

The Presidency are *ex-officio* members of all committees.

Admission and Graduation—Amos N. Merrill, James L. Brown, E. H. Holt, E. H. Eastmond, C. W. Reid, Alfred Osmond, Carl Eyring.

Credits—C. W. Whitaker, John E. Hayes, C. E. Maw.

Library—Alice L. Reynolds, Annie Gillespie, Wm. J. Snow, Joseph B. Keeler, M. P. Henderson, M. W. Poulson, E. H. Smart.

Lectures and Musicals—J. C. Swenson.

Social Affairs—E. L. Roberts, T. Earl Pardoe, Wm. H. Boyle.

Student Aid and Employment—J. B. Keeler, Vilate Elliott.

Petitions—E. D. Partridge, Carl Eyring, John E. Hayes.

Athletics—Alfred Osmond, Herald Clark, E. L. Roberts, J. Wm. Knight, President of Student Body, President of Alumni Association.

Eligibility—Fred Buss, J. E. Hayes, M. W. Poulson.

Catalogue and Other Quarterlies—L. H. Peterson, Amos N. Merrill, J. E. Hayes, Christen Jensen, W. H. Boyle and E. H. Eastmond

Publicity—J. M. Jensen, E. L. Roberts, E. H. Holt, Ida S. Dusenberry, Alice Reynolds.

Schedule of Events—J. E. Hayes, J. C. Swenson, E. L. Roberts.

Schedule of Classes—E. H. Holt, Myrtle Hone.

Extension Work—J. L. Brown, Christen Jensen, E. H. Smart, Lottie Harris.

Aiding Graduates to Obtain Positions—A. N. Merrill, James L. Brown, E. H. Eastmond.

Care of Girls and Women's Activities—Alice L. Reynolds, Margaret H. Eastmond, Algie Eggertsen, Vilate Elliott, Lottie Harris, Lydia Hasler Candland, Hattie Thornton Snow, Margaret Wright Murdock.

Locating Students—J. B. Keeler, W. H. Boyle, Alice Reynolds, Mazie Campbell, Algie Eggertsen.

Health and Habits of Students—E. L. Roberts, Dr. Walter Hasler, W. H. Boyle, Margaret H. Eastmond.

Brigham Young University

HISTORICAL.

The Brigham Young University, formerly designated as the Brigham Young Academy, was founded by a deed of trust executed by President Brigham Young, October 16, 1875.

It is in charge of twelve trustees, elected triennially, by the vote of the Latter-day Saints, in General Conference assembled.

For many years it was dependent upon fees and the proceeds of the original endowment for its support, but in recent years an annual Church appropriation has been the chief source of its financial support.

The first home of the institution was a mercantile building, standing on the present location of the Farmers and Merchants Bank, the upper story of which had been used for an Amusement Hall.

Subsequently, this building, with several additions, was destroyed by fire. The school, however, resumed its sessions with the loss of but one day. The basement of the stake tabernacle, a store, and the First National Bank Building, housed the school for a short time.

From these temporary quarters it moved into the upper story of the Z. C. M. I. warehouse, a building adjoining the railroad station at the corner of Sixth South and Academy Avenue. This was the home of the school for six years.

From the warehouse the school moved into a \$75,000 brick building erected from Church appropriations, supplemented by donations from the general public, the student body, the faculty, the alumni association and

generous patrons. This building is known as the High School building.

To the High School building was added the Collegiate Building, the upper story of which is an assembly room known as College Hall. The Collegiate building was the gift of ten persons, whose names are found upon a marble tablet in a hall of the building. It was equipped by friends and the faculty.

The needs of the Training School were provided by the erection of a three-story building, the upper story of which is used for a men's gymnasium. The cost of the structure was \$35,000 contributed by financial friends.

The Art Building came to the institution by general subscription from the five stakes comprising this Academic district.

The Alumni Association, in honor of the father of the faculties, presented the institution with the Maeser Memorial. The cost of the building was \$112,000. The heating plant and furnishings, were supplied by the Church.

The Iron Work building was erected and furnished from contributions.

The Women's Gymnasium, which is also a recreation building, was paid for from receipts made by judicious investments of the Board. The building cost \$35,000.

The commodious shop now occupied by the Auto-mechanics department, and the new Mechanic Arts building now nearing completion comes to the school through Church appropriation.

The first campus of the school was limited to a small play ground back of the building which was destroyed by fire. The High School building was erected in the center of a block 24 by 24 rods. Here the trees which have grown into groves, the lawns, the flowers and the shrubbery were planted by the students and the faculty. The putting in of paved walks was a joint effort of students and patrons.

Then came the purchase of Temple Hill. As early as 1904 steps were taken to acquire land on Temple Hill. A purchase of seventeen acres was made from Provo City.

A gift of something over seven acres came from the Fourth ecclesiastical ward of Provo; part of an acre was purchased by an alumnus, and the point of the hill by the student body. The remaining area, comprising the present campus of 38 acres, was purchased by the Brigham Young University.

On February 11, 1909, by an action of the General Church Board of Education the collegiate department of the university was designated The Church Teachers' College.

The first credentials granted by the institution was a teachers' certificate given on the completion of one year's work. This was followed by a certificate requiring two years' normal work, followed later by the degree of Bachelor of Pedagogy, issued upon the completion of four years' normal work.

For a brief period the Bachelor of Arts degree was issued for seven years' work, but later the standard college requirements were made, calling for four years' high school work and four years' college work. Three years ago the Board authorized Master degrees. One honorary degree has been conferred by the institution.

The first faculty consisted of the principal and two assistants; the present faculty consists of twenty-five professors, five associate professors, five assistant professors, fifteen instructors, and three assistants.

The student body has beautified the grounds, dug sewer trenches, cleared forty acres of sage brush land, fenced the campus, built the track, erected the grand stand equipped the Men's Gymnasium, purchased the point of Temple Hill, put the big "Y" on the mountain side, paid for five acres of campus extension, built in the main the pony trail to Maple Flat, assisted in the building of the boulevard to Spring Dell, and have turned out en masse to help the farmer of the vicinity save his crops from the frost. They have also added many hundreds of volumes to the library.

Five of the ten persons who are responsible for the building of the Collegiate Building are members of the

alumni association, as also are many of the purchasers of the tableted chairs in College Hall. The great feat, however, of the association was the building of the Maeser Memorial.

The faculty has taught on part pay to carry the school over a financial crisis, purchased a thousand dollars' equipment for a physical laboratory, paid the major part of the cost of the heating plant of the collegiate building, and added thousands of volumes to the library.

The members of the Board of Trustees have pledged their private fortunes to secure the financial prosperity of the school; they have led in contributions for the support of the school; they have initiated and carried out enterprises and made investments which supplied pressing needs of the school. All this service has been gratuitous.

ORGANIZATION.

The Brigham Young University comprises the Church Teachers' College, offering (1) graduate work leading to Master degrees; (2) four years' work above high school, leading to the degree of Bachelor of Arts; (3) two years' work leading to a Normal diploma; (4) two years' work leading to a Diploma in Business Education; (5) one year's work leading to a normal certificate. It also maintains a high school of four years' work, and an elementary training school.

THE STUDENT BODY.

This organization encourages and unifies the activities of the students in their interclass competitions, their competitions with other schools, and in their efforts to advance the interests of the University. Through this organization the students publish the school paper, "The White and Blue," and also the University year book, the "Banyan." The debating activities of the school, also are fostered by and are under its management. The organization also functions as an auxiliary of school discipline.

DISCIPLINE.

The standards of honor and Christian integrity consistent with Latter-day Saint ideals are required. Within these limits the students are given the fullest freedom. Those who fail to conform to these standards either in personal habits or association, are subject to discipline.

The use of tobacco will not be permitted and having improper associates or visiting places of questionable repute will not be tolerated.

All social functions given by any organization of the school are under the direction of the standing committee on socials. Any disciplinary announcement made by the executive of the institution becomes a part of these regulations. Violation of regulations makes the offender liable to suspension or expulsion.

By an action of the Student Body, any student who does not conduct himself in harmony with the rules of discipline is not considered a loyal member of that organization.

UNIVERSITY LECTURE COURSE.

For more than twenty years, the University has maintained a lyceum course. It has endeavored to place the best talent obtainable on this course. For 1918-19, it included the following:

1. Princess Catherine Radizirll—What Will Russia Do?
- 2-7. Dr. H. H. Powers' six lectures, Problems of the Peace Conference.
8. Strickland Gillilan—Facts and Fiction.
9. Arthur W. Evans—America and Britain.

Note: Owing to the prevailing epidemic of influenza and the enforced closing of the school during the first part of the school year, only a few numbers of the lecture course were given during the year 1918-19.

SCHOOL SOCIETIES.

ARTS SUPERVISION ASSOCIATION.

This organization consists of the normal students of fine and manual arts, of domestic science and domestic art, who have been graduated by this institution; also of prospective graduates in these lines. The purpose is the special advancement of this particular line of educational work.

MASTERBUILDER CLUB.

This organization has been established for the benefit of students having special talent in any particular phase of fine and applied art. Students become life members on entrance and remain such as long as advancement is shown by them. During the year lectures on practical topics in connection with arts and crafts are given by members of the faculty, and other recognized educators. Exhibitions of artists' and craftsmen's work are held under the auspices of this organization. Various projects for developing an appreciation of professional expression are promoted.

THE MUSIC SOCIETY.

This is a society of the students in music, the purpose being to study classic selections. The society meets weekly for an hour's recital by the instructors and leading students in music.

THE COLLEGE LITERARY CLUB.

The purpose of this organization is to develop greater appreciation for good literature and to give opportunity for practice in oral and written expression. Carefully prepared lectures on literary topics and dramatic readings will be given by advanced students, members of the English faculty, and others.

PRIZES IN PUBLIC SPEAKING AND WRITING.

There have been established at the University the following prizes for contests in public speaking and writing:

ENTRANCE FEES.

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1. The Jex Gold Medal for the best oration on any subject.
2. The Kirkham Medal, given to those students who make the debating team.
3. Gold Medal for the best original story, given by the committee on Care of Girls and Women's Activities.
4. Gold Medal for the most efficient student in school, given by the Provo Commercial Club.
5. Student Body Gold Medal for the best oration on any subject, given at Thanksgiving exercises. Open to all students except those who have previously won honors in debating or oratory.
6. Special Student Body Gold Medal for the best oration on any subject. Open to all students.
7. Gold Medal in Music: Given by the Class of 1919 for best vocal selections rendered in public competition by regular college students.

LIBRARY.

The Library is rapidly growing, much attention being given to the careful selection of purchases suitable to the various departments. The total number of volumes is 16,140, apart from the government depository. In addition to local and state papers, the library contains the leading scientific and literary journals, both American and foreign.

The library is open each school day during the regular session of school from 7:45 a.m. till 6 p.m. On Saturdays from 1 p.m. till 6 p.m. Reciprocal relations are established with the Provo Public Library.

ENTRANCE FEES.

Church Teachers' College.....	\$25.00
High School (except for the course in business education)	20.50
Courses in Business Education	37.00

These fees include the student body activity fee, sub-

scription to The White and Blue, and season ticket to the Lyceum Course. Students of other divisions of the school may take courses in Business Education by paying extra for each course.

Training School, from First to sixth grades, inclusive, \$5.00; seventh and eighth grades, \$7.00. This includes free admission to the Lyceum course, and to all the campus sports. Students of the seventh and eighth grades may purchase student body activity tickets at the regular price.

GRADUATION FEES.

Degrees	\$10.00
Diplomas	5.00
Certificates	5.00

Graduation fees are due May 20, 1920.

Laboratory fees, varying from 50 cents to \$10.00, are collected at the beginning of each quarter, according to the subjects taken.

A fee is charged for all special examinations.

ACCOMMODATIONS.

The Brigham Young University emphasizes the value of home life and the people of Provo have shown great educational patriotism in providing for the comfort and convenience of our students. If our patrons will kindly make their wants known in advance, much delay in getting students properly located will be avoided.

The price of accommodations at private homes varies as it does at hotels and rooming houses, the rate depending upon what the student wants and is willing to pay for. Of late, the average price of room and board per month has been twenty-seven dollars.

Provo is a city of modern homes. Its sidewalks and business centers are paved and no one need fear a lack of accommodation within easy, healthful access of the University.

The Church Teachers' College

ADMISSION.

Students are either (1) regular, or (2) special.

1. To enter as a regular student, the candidate must have completed a standard four-year high school course, or its equivalent; or he must pass examinations in a sufficient number of subjects to make fifteen units of credit. The presentations for entrance will include: English, three units; mathematics, or history and civics, two units; science or modern languages, three units; elective, seven units. Students may be permitted to register in the college with a condition of two units. Opportunity is offered in the University High School to remove conditions during the first year of residence. A unit represents one-fourth of a normal year's work and also represents the credit given for five lessons a week throughout a school year. A lesson represents at least ninety minutes of preparation and recitation.

2. Candidates who are of mature age and who show ability to pursue special work, are admitted as special students on recommendation of the professor of a department.

Students may be admitted to graduate standing on the presentation of evidence that they have secured a Bachelor's degree from a standard institution.

ELECTION OF STUDIES.

The student, in electing his studies, should first select his major course, and then, with the advice and approval of his major professor, elect such other studies as are desirable. The major and minor, as well as the

general, requirements for graduation, should be kept in mind in electing studies. The major subject should be followed during the four years of college attendance.

At least two hours a week in Physical Education is required of Freshmen students.

Fifteen hours a quarter is the regular amount of work to be elected by Freshmen, and sixteen hours a quarter for all others.

Students registering for graduate work will make their selections in consultation with a committee, consisting of the Dean and the student's major and minor professors.

GRADUATION.

Master Degrees—A regular graduate student who has been admitted to candidacy may receive the Master's Degree upon the fulfillment of the following conditions:

He must have been in attendance at the University one full year or its equivalent.

He must present not fewer than forty-five hours of approved graduate credit beyond the requirements for the Bachelor's Degree, at least twenty-five hours of which must be in his major line of work. Twenty-three hours only of resident graduate credit may be transferred from other institutions. In addition an acceptable thesis will be required covering the subject of his original investigations.

He must pass an oral examination conducted by a committee appointed by the Presidency of the University.

A typewritten copy of his thesis must be deposited in the library of the University.

He may pursue his major work in any one of the following departments: Education, History and Political Science, Physics, Chemistry and Biology. Courses pursued on the under-graduate basis will not be credited toward Master Degrees. Seniors may register for courses at the beginning of the year for graduate

credit, provided they secure the approval of the Dean and the departments concerned.

Bachelor of Arts Degree.—Students who have completed one hundred eighty-three hours of college work, at least thirty-six of which shall be residence work, and who have satisfied major and minor requirements, may receive the degree of Bachelor of Arts (A.B.).

Students will be credited with Honor Points on the following basis: 1.4 times the number of hours credit for A grade work; 1 times the number of hours credit for B grade work; .6 times the number of hours credit for C grade work; 0 in honor points for D grade of work, but credit for course will be given.

Candidates must present at least thirty-six hours in the department in which his major work is done, and fifteen hours of collateral or minor work. English 11 and Physical Education 11 are required of all candidates. More than sixty hours in any one subject will not be accepted towards graduation.

Of the major requirements, the following are prescribed:

In Education: Psychology 8 hours, History of Education, School Organization and Administration, Science of Education, Secondary Education, and Secondary Training.

For the Normal Diploma: Education 11, 21, and 22 and Psychology 21.

For the Teachers' High School Diploma in connection with the Bachelor's Degree: Psychology 4 hours, and 28 hours in Science of Education, Secondary Education, Secondary Training and Methods, or their equivalents.

In English: Courses 11, 15, 16, 27, 35, 66, 67.

In Foreign Languages: Courses French 26, 27; 41, 42, or 51 and 52.

In Chemistry: Courses 14, 33, 35, 37, 38, 42, 43, 51.

In Biology: Courses 12, 13, 14, 16, 21, 41, 51, 61.

In Agriculture: Agronomy 11, 12, 13, 35, Horticulture 11, 12; Animal Husbandry 11, 13, 14.

In Geology: Courses 11, 19, 21, 45 and 57.

In Music: Courses 51, 52, 56 and 57, and in addition in one of the following lines: Vocal 12 hours; Piano 18 hours; Violin 18 hours; Cornet or Clarinet 16 hours.

In Correlated Arts: One of the following:

In Art: Courses 11, 12, 13, 14, 15, 16, 21, 23, 26, 27, 35 or 36.

In Domestic Science: Courses 51, 52, 53, 61, 62, 63, 76, 78; Art 21, 27, 35.

In Domestic Art: Courses 11, 12, 13, 21, 22, 23, 24, 28, 31, 32, 33, 36, 37, 38, 41, 42; Art 21, 27, 35.

In Physical Education: Courses 11, 16, 17, 18, 36, 37, 38, 46, 56, 57, 58 and 66.

In History: Courses 11, 12, 13, 31, 32, 33.

In Political Science: Courses 11, 12, 13, 25.

In Mathematics: Courses 11, 12, 13, 14, 15, 16.

In Physics: Courses 16, 17, 18, 41, 42, 52, 81, 82.

In Mechanic Arts: Drafting 11, 12, 21, 24, 26; Wood Work 31, 32, 36. Mechanics 19, 26. Iron Work 61, 62. Auto Mechanics 71, 72, 73, 81, 82, 83, 91. Art 26.

In Psychology: Courses 11, 21, 26, 27, 31, 45, 55.

In Business Education: Business English 11. Accounting 11, 13, 14; Economics 11, 12; Commerce and Finance 11, 17, or Stenography 11.

In Economics and Sociology: Economics 11, 12, 13, 26, 36, 37, 46, 47. Sociology 11, 12, 21.

Group Requirements for the Bachelor's Degree.—Candidates will be required to furnish credits in the following lines:

Education, Philosophy and Psychology.....	20	hours
Mathematics, Applied Science, Correlated Arts and Agriculture.....	20	"
English and Foreign Languages.....	20	"
History and Government, Sociology, Econom- ics, and Business Education	20	"
Pure Science (Physics, Chemistry, Biology, Ge- ology, Physiology).....	20	"

No variations from this grouping of credits will be permitted except upon the approval of the committee on graduation in connection with the major professor.

Teachers' High School Diploma.—Students who have completed a minimum of four years of college work, including twenty-eight hours in the Department of Education, four hours in psychology, and twelve hours in subjects closely related to education, will be awarded a High School Teachers' Diploma, in connection with the Bachelor's or the Master's Degree.

The following courses in education are prescribed to meet the professional requirements: Psychology, at least four hours, the remaining twenty-eight hours in the following subjects: Science of Education, Secondary Education, Secondary Training, and Methods, or their equivalents.

The work in Secondary Training must be entirely satisfactory to the department in the University High School.

A recommendation from the major professor certifying scholastic fitness is a prerequisite to register for Secondary Training.

Students registering for Secondary Training should not register for more than a maximum of 15 quarter hours of work.

Physical Education Diploma.—Students who have completed Physical Education 11, 16, 17, 18, 36, 37, 38, 46, 56, 57, 58, will be awarded a special diploma in Physical Education in connection with the Bachelor's Degree.

Normal Diploma.—Students who have completed two years' college work, including thirty hours in the Department of Education, will be awarded a Normal Grammar Grade Diploma.

Diploma in Business Education.—Students who complete ninety hours of college work, including thirty-five hours in Commerce, will be granted a Diploma in Business Education.

Arts Supervision Diploma.—Students who complete ninety hours of college work, including thirty hours in the department of Education and eighteen hours in the department of Correlated Arts, may receive an Arts Supervision Diploma.

Normal Music Diploma.—Students who have the educational requirements for the Normal Diploma and furnish thirty-four hours college credit in music according to the following outline may be granted a Normal Music Diploma:

Public School Music Supervision, Conducting, Orchestration, Band Arranging, Piano Pedagogy, and one of the following majors with its accompanying minor: Piano, eight hours and six hours on some band or orchestral instrument; Violin, eight hours, and six hours Piano; Voice, six hours, and six hours Piano; Cornet, six hours, and six hours Piano; Clarinet, six hours, and six hours Piano; Horn, six hours, and six hours Piano; Trombone, six hours, and six hours Piano.

Normal Certificate.—Students who have completed one year's college work, including thirty hours in the department of Education, will be granted a Normal Certificate.

CLASSIFICATION OF STUDENTS.

A regular college student with fewer than forty-five hours' credit at the beginning of the school year shall be classed that year as a Freshman.

A regular college student with more than forty-four hours' credit and fewer than ninety at the beginning of the school year, shall be classed during that year as a Sophomore.

A regular college student with more than eighty-nine hours' credit and fewer than one hundred thirty-five, at the beginning of the school year, shall be classed during that year as a Junior.

A regular college student with more than one hundred thirty-four hours' credit at the beginning of the school year, shall be classed during that year as a Senior.

CREDITS.

A student may have credit entered on the books of the University as follows: 1. For work done in the regular courses offered by the institution. 2. For work done in an accredited school when such credit is to be used for graduation from the University, the amount to be determined by the committee on credit. 3. By passing a satisfactory examination in any course offered by the University under the supervision of the head of the department concerned. 4. For work done under the supervision of the head of the department concerned. 5. For work done under the supervision of the Extension department. Credit in theology may be given for missionary work by complying with such requirements as the supervisor of theology may prescribe.

Students with excess high school credit of college grade who desire to transfer such into college credit, may apply for such transfer after the first semester's residence in the University. Credits from other institutions should be filed with the Registrar upon entrance.

Special examinations for advance credit will be given only with the consent of the student's major professor, the dean of the Church Teachers' College, and the committee on credit.

Extra credit may be given for work done by students in excess of the honor requirements. The granting of these credits will be passed upon by a council of all of the student's teachers.

Courses for which graduate students may receive credit for the Master's Degree are indicated by an asterisk immediately following the number of the course.

OUTLINES OF SUGGESTIVE COURSES.

Students who desire to pursue a college course leading to the degree of Bachelor of Arts but who have not yet determined upon the special work to be followed, may profitably elect during their first and second years from the following courses:

Freshman.		Sophomore.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6 hrs.	Theology	6 hrs.
English 11	9 hrs.	Agronomy 11, 12, 13..	12 hrs.
Physical Education 11.	3 hrs.	Biology 61	5 hrs.
Chemistry 11, 12, 13..	15 hrs.	Chemistry 41, 42	8 hrs.
Biology 12, 51, 62....	14 hrs.	English 41, 61	8 hrs.
History 11, 12, 13....	12 hrs.	Economics 11, 12	8 hrs.
Sociology 11, 12.....	8 hrs.	French 21, 22	10 hrs.
French 11, 12.....	10 hrs.	Geology 21	4 hrs.
Latin 11	5 hrs.	History 31, 32, 33....	12 hrs.
Geology 11	5 hrs.	Latin 11, 12, 13.....	15 hrs.
Mathematics 11, 12, 13.	15 hrs.	Physics 11	15 hrs.
Psychology 11	4 hrs.		

SUGGESTIVE COURSE FOR STUDENTS WHO HAVE SELECTED THEIR MAJOR LINE OF STUDY.

Students who desire to qualify as teachers should elect Biology 62 and Psychology 11, during their Freshman year. During the Junior and Senior years a total of twenty eight hours in the Senior Division of the Department of Education must be completed. See detailed requirements for High School Diploma.

In electing courses students should keep in mind the group requirements for graduation listed on page 22.

AGRICULTURE.

Freshman.		Sophomore.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11	9	Agronomy (Soils) 11, 12,	
Physical Education 11...	3	13	12
Agronomy (Crops) 21, 22,		Chemistry 11	15
23	12	Elective	15
Biology 12, Botany.....	5		
Farm Management 51...	4		
Farm Accounting 52	4		
Elective	2		
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			48

SUGGESTIVE COURSES OF STUDY. 27

Junior.

COURSES	HRS. CREDIT
Theology	6
Biology 16, 21	10
Horticulture 14	5
Animal Husbandry 17, 18. 8	
Chemistry 31	5
Elective	14

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Senior.

COURSES	HRS. CREDIT
Theology	6
Agronomy 35, 36, 37....	9
Biology 41	4
Elective	30

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Students desiring to study Horticulture, should substitute Fruit Marketing (Horticulture 11), Orchard Management (Horticulture 12) and Canning and Orchard By-products (Horticulture 13) for Agronomy.

Students desiring to study Animal Husbandry, should substitute Horse Husbandry 11, Dairy Husbandry 14, Sheep and Swine Husbandry 13, and Market Classes and Grades 15, for Agronomy, and register for Advanced Stock Judging each quarter; also General Zoology for Botany.

ART

Freshman.

COURSES	HRS. CREDIT
Theology	6
English 11	9
Physical Education 11 ...	3
Biology 62	4
Biology 12	5
Psychology 11	4
Art 11 and 12	6
Art 21	2
Art 23	1
Elective	5

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Sophomore.

COURSES	HRS. CREDIT
Theology	6
Biology 61	5
Art 13	4
Art 22	2
Art 24	2
Art 34	3
Elective	26

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Junior.

COURSES	HRS. CREDIT
Theology	6
Geology 11	5
Art 15	6
Art 25	2
Art 26	2
Elective	27

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Senior.

COURSES	HRS. CREDIT
Theology	6
Art 16	6
Art 27	4
Art 36	2
Elective	30

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BIOLOGY.

Freshman.

COURSES	HRS. CREDIT
Theology	6
English 11,	9
Physical Education 11... 3	
Chemistry 11, 12, 13....	15
Biology 12, 13, 51.....	12
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	45

Sophomore.

COURSES	HRS. CREDIT
Theology	6
Biology 41, 52, 62	16
Physics 11	12
Psychology 11	4
Geology 11	5
Elective	5
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	48

Junior.

COURSES	HRS. CREDIT
Theology	6
Horticulture	5
Biology 21, 61, 54, 55....	19
Sociology	8
Elective	10
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	48

Senior.

COURSES	HRS. CREDIT
Theology	6
Biology	5
Elective	37
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	48

BUSINESS EDUCATION.

Freshman.

COURSES	HRS. CREDIT
Theology	6
Business English 11	8
Physical Education 11 ..	3
Economics 11, 12	8
Commerce and Finance	
11, 17 or Stenography 12	
Elective	8
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Sophomore.

COURSES	HRS. CREDIT
Theology	6
Accounting 11	10
Business Law 11, 12, 13..	9
Commerce and Finance	
12, 13, 15, 16	17
Elective	6
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	48

Junior.

COURSES	HRS. CREDIT
Theology	6
Accounting 13, 14	12
Business Law 14, 15	6
Commerce and Finance	
14, 18	6
Economics 26	5
Elective	13
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	48

Senior.

COURSES	HRS. CREDIT
Theology	6
Accounting 15	4
Business Law, 16, 17	6
Economics 36, 37	8
Elective	24
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	48

CHEMISTRY.

Freshman.

COURSES	HRS. CREDIT
Theology	6
Chemistry 11, 12, 13	15
English 11	9
Mathematics 11, 12, 13	10
Elective	4
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Sophomore.

COURSES	HRS. CREDIT
Theology	6
Physics 16, 17, 18	10
Chemistry 31, 32, 33	15
Elective	17
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	48

Junior.

COURSES	HRS. CREDIT
Theology	6
Chemistry 41, 42	19
Chemistry 43	5
Biology 62	4
Psychology 11	4
Elective	19
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	48

Senior.

COURSES	HRS. CREDIT
Theology	6
Chemistry 37, 38, 51	7
Elective	35
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	48

DOMESTIC ART.

Freshman.

COURSES	HRS. CREDIT
Theology	6
English 11	9
Physical Education 11	3
Domestic Art 11, 12, 13	6
Domestic Art 21, 22	6
Chemistry 11	15
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	45

Sophomore.

COURSES	HRS. CREDIT
Theology	6
Domestic Art 31, 32, 33	6
Domestic Art 41, 42	6
Biology 62	4
Domestic Science 61, 62, 63	9
Art 21	2
Psychology 11	4
Elective	11
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	48

Junior.

COURSES	HRS. CREDIT
Theology	6
Domestic Arts 36, 37, 38	9
Domestic Science 76, 78	4
Art 27, 35	6
Sociology 11, 12	8
Elective	15
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	48

Senior.

COURSES	HRS. CREDIT
Theology	6
Domestic Art 24	3
Domestic Science 86, 87	8
Elective	31
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	48

DOMESTIC SCIENCE.

Freshman.		Sophomore.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11	9	Domestic Science 61, 62,	
Physical Education 11 ..	3	63	9
Domestic Science 51, 52,		Biology 21, 61, 55.....	14
53	9	Chemistry 41, 42.....	8
Chemistry 11	15	Psychology 11	4
Art 21	2	Domestic Art 31, 32, 33..	6
	<hr/> 44		<hr/> 47
Junior.		Senior.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Domestic Science 76, 78..	4	Domestic Science 86, 87..	8
Art 27, 35	6	Domestic Art 21, 22, 23..	7
Domestic Art 36, 37, 38,		Elective	27
41, 42	15		
Sociology 11, 12	8		
Elective	9		
	<hr/> 48		<hr/> 48

ECONOMICS AND SOCIOLOGY.

Freshman.		Sophomore.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11	9	Economics 26, 36, 37	13
Physical Education 11 ..	3	Sociology 11, 12, 21....	12
Economics 11, 12, 13	12	Elective	14
Elective	15		
	<hr/> 45		<hr/> 45
Junior.		Senior.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Economics 46, 47	6	Elective	42
Psychology 55	3		
Commerce & Finance 11, 10			
Commerce & Finance 13. 5			
Elective	16		
	<hr/> 46		<hr/> 48

EDUCATION (1)

Freshman.

COURSES	HRS. CREDIT
Theology	6
English 11	9
Physical Education 11 ..	3
Biology 61, 62, 55	13
Psychology 11	4
Elective	10
	<hr/> 45

Sophomore.

COURSES	HRS. CREDIT
Theology	6
Psychology	8
History 11, 12, 13	12
Sociology 11, 12	8
Elective	12
	<hr/> 46

Junior.

COURSES	HRS. CREDIT
Theology	6
Education 46	4
Education 17	4
History 18, 32	8
Elective	24
	<hr/> 46

Senior.

COURSES	HRS. CREDIT
Theology	6
Education 16	4
Education 66	4
Education 37 (2)	4
Education 56	4
Elective	16 to 24
	<hr/> 46

(1) This course meets the requirements for the Professional High School Certificate. It aims to qualify students for the positions of superintendents, supervisors, principals, and teachers.

(2) Students who have taken Education 31 should register for Education 37 for one quarter, if preparing for High School teaching or supervision. If preparing for grade supervision Education 31 will be sufficient.

ENGLISH.

Freshman.

COURSES	HRS. CREDIT
Theology	6
English 11	9
Biology 12, 51	10
Latin }	
French } (Elect one) ..	15
Spanish }	
History 32	6
	<hr/> 44

Sophomore.

COURSES	HRS. CREDIT
Theology	6
English 15, 16	6
English 37	4
English 71	4
English 72	2
History 24, 25	8
Latin }	
French } (Elect one)...	15
Spanish }	
Psychology 11	4
	<hr/> 49

Junior.		Senior.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 45, 57, 58, 59.....	14	English 27	4
English 61	4	English 66	3
English 62	4	English 67	3
Art 23	1	English 68	3
Sociology 11, 12	8	History 17	4
Elective	11	Elective	25
	<hr/> 48		<hr/> 48

GEOLOGY

Freshman.		Sophomore.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Geology 11	5	Geology 12	4
Geology 21	4	Geology 31	2
English 11	9	Geology 51	4
Psychology 11	4	English 15 & 16	6
Mathematics 11 & 13 ..	10	Chemistry 11, 12, 13	15
Physical Education 11 ..	3	French 11 & 12.....	10
Biology 62	4		
	<hr/> 45		<hr/> 47

Junior.		Senior.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Geology 55	3	Geology 57	3
Geology 45	3	Geology 19	3
Geology 61	5	Physics 16, 17, 18	15
Biology 12, 51	10	History or Economics 11	
French 21 & 16	8	& 12	8
Elective	13	Elective	13
	<hr/> 48		<hr/> 48

HISTORY AND POLITICAL SCIENCE.

Freshman.

COURSES	HRS. CREDIT
Theology	6
English 11	9
Physical Education 11...	3
History 11, 12, 13	12
Economics 11, 12	8
Biology 62	4
Psychology 11	4
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Sophomore.

COURSES	HRS. CREDIT
Theology	6
History 31, 32, 33.....	12
Political Science 11, 12, 13	12
Sociology 11, 12	8
Elective	10
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	48

Junior.

COURSES	HRS. CREDIT
Theology	6
History 17, 18	8
Political Science 18, 25, 35	12
Elective	22
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	48

Senior.

COURSES	HRS. CREDIT
Theology	6
History 37, 38	8
Political Science 19, 36	
37	12
Elective	22
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	48

LANGUAGES.

Freshman.

COURSES	HRS. CREDIT
Theology	6
English 11	9
Physical Education 11...	3
French 11, 12, 21	15
Biology 61, 62	9
Elective	3
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Sophomore.

COURSES	HRS. CREDIT
Theology	6
English 35 or 41	4
Psychology 11	4
French 22, 31, 32.....	11
Political Science 12 or...	
Sociology 11, 12	8
Elective	12
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Junior.

Theology	6
English 36 or 45	4
English 27 or 57.....	2
History 17, 18.....	8
French 26	5
French 52	2
Elective	21
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Senior.

Theology	6
Education (see require- ments for teacher's Diploma.)	28
French 27, 41 or 51	8
Elective	6
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	48

MECHANICS.

Freshman.		Sophomore.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Physical Education 11 ..	3	Drafting 24 (1).....	6
Drafting 11 (2) or Drafting 21 (1).....	6	Woodwork 32 (1).....	9
Woodwork 31 (1) or Ironwork 61 (2).....	9	Physics 11	15
Mathematics 11	5	Drafting 12 (2)	4
Auto Mechanics 71, 72, 73 (2)	9	Art 21, 26	4
English	9	Ironwork 62 (2)	6
		Elective for Woodwork. 8	
		Elective For Ironwork...21	
	<hr/> 47		<hr/> 48

Junior.		Senior.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Woodwork 36 (1)	9	Shop work (wood) 39....	9
Drafting 26 (1)	6	Education 37 (2)	3
Mechanics 91 (1).....	2	Electives	30
Auto Mechanics 81, 82, 83 (2)	9		
Electives	16		
	<hr/> 48		<hr/> 48

(1) For students majoring in Wood-work.

(2) For students majoring in Ironwork and Auto-Mechanics.

PHYSICAL EDUCATION.

Freshman.		Sophomore.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11	9	Physical Education 16, 17, 18	3
Physical Education 11 or 21	3	Biology 54	5
Biology 61	5	Biology 62	4
Biology 51	5	Psychology 11	4
Chemistry 11	15	History 11, 12, 13.....	12
Elective	2	Sociology 11, 12	8
		Elective	6
	<hr/> 45		<hr/> 48

SUGGESTIVE COURSES OF STUDY.

35

Junior.		Senior.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Physical Education 36, 37, 38	12	Physical Education 56, 57, 58	15
Physical Education 46....	3	Physical Education 66 ..	0
Typewriting 21	3	Elective	27
Political Science 19	4		
English 81	6		
Electives	14		
	<hr/> 48		<hr/> 48

PSYCHOLOGY

Freshman.		Sophomore.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology 31	6
English 11	9	Psychology 21, 31	12
Physical Education 11 ..	3	Biology 12, 51	10
Psychology 11	4	Chemistry 11, 15	15
Biology 62	4	Typewriting 21	3
Physics 11	15	Elective	2
Elective	4		
	<hr/> 45		<hr/> 48

Junior.		Senior.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
Psychology 45	4	Psychology 26, 27	8
Biology 61	5	Economics 13	4
Chemistry 12	5	English 68	3
English 66, 67	6	Elective	27
Economics 12	3		
Elective	19		
	<hr/> 48		<hr/> 48

NORMAL DIPLOMA.

First Year.		Second Year.	
COURSES	HRS. CREDIT	COURSES	HRS. CREDIT
Theology	6	Theology	6
English 11	9	Education 21	9
Biology 62	4	Education 31	12
Psychology 21	4	Normal M. T.	4
Education 11	4	Biology 61	5
Physical Education	3	Elective	12
Elective	15		
	<hr/> 45		<hr/> 48

Normal graduates who continue their college work to prepare for grade supervision are recommended to elect Education 35 and 36 in the third or fourth years.

STANDARD COURSES OF SELECTED WORK FROM REGULARLY CATALOGUED COURSES REQUIRED FOR ADMISSION TO SCHOOLS OF LAW, ENGINEERING AND MEDICINE.

Students who plan to study law later in their college work are recommended to choose the major part of their work during the first and second years of their college work from the departments of History and Government, Business Education, Economics and Sociology. Courses should be freely elected from the following regularly catalogued courses:

Constitutional History of the United States.	Negotiable Instruments and Commercial Paper.
Government of the United States.	General Principles of Economics.
Comparative Constitutional Government.	Railway Transportation.
Government of American States.	Public Finance.
Municipal Government.	Money and Banking.
Government of England.	Corporate and Industry.
Principles of Political Science.	Analysis of Corporation Reports.
Elements of Law and Jurisprudence.	Business Organization.
International Law.	Private Finance.
Constitutional Law.	Insurance.
Contracts.	Principles of Accounting.
	Debating.
	Psychology.
	Sociology.

Students who expect to prepare for the different fields of engineering should pursue, during the first two years of their college work, the fundamental courses which engineering schools prescribe. The following regularly catalogued courses meet these requirements.

Trigonometry, College Algebra, Analytic Geometry.	College Physics.
Calculus (Differential and Integral).	English Composition.
General Chemistry	Modern Language (two years).
	Mechanical Drawing.
	Shop Practice.

Students who plan to enter medical schools either at the end of their sophomore or senior years, should elect the following courses in their first and second years of college work.

General Botany	General Inorganic Chemistry
General Zoology	Organic Chemistry
Comparative Anatomy	College Physics.
Medical Invertebrate Zoology	

DEPARTMENT OF THEOLOGY AND RELIGION.

Professor Keeler, Supervisor.
President Brimhall.
Professor Merrill.
Professor Osmond.
Professor Brown.
Professor Henderson.
Professor Whitaker.
Professor Peterson.
Professor Jensen.
Professor Reynolds.
Professor Swenson.
Professor Reid.
Associate Professor Nelson.
Assistant Professor Dusenberry

11. American Antiquities.—The basis of this course is the Book of Mormon considered in its relation to the internal and external evidences. The archaeological matter will be studied from the works of noted travelers and explorers; considerable emphasis will be given to the origin, manners, customs, government, and religion of the ancient peoples of America. Autumn, Winter, 11:00, four hours credit. Professors Merrill, Henderson, Reynolds, and Brown.

21. Church History.—This course considers the origin and development of the Church of Jesus Christ of Latter-day Saints in its social life and institutions as well as its doctrines and principles. It aims to show the relation of these principles and institutions to the moral and religious life not only of its own people, but to the world at large. Autumn, Winter, 11:00, four hours credit. Professors Jensen and Swenson.

33. Life of Jesus, the Christ, and His Apostles.—This course includes a preview of a history of the Hebrew race and especially points out the condition of the Jews in Palestine immediately preceding the birth of the

Savior. One of the purposes of this course will be to show that Jesus Christ is the Son of God as set forth in the Scriptures, ancient and modern, and to expand and unfold the meaning of the words of Jesus and the apostles as they relate to the lives of men. In this course, also, Jesus as the Great Teacher will be emphasized. The aim will be not only to explicate the lessons He taught, but how He taught them; the professional side, therefore, will receive considerable emphasis. Autumn, Winter, 11:00, four hours credit. Professors Whitaker and Nelson.

46.. The Interrelationship of Science, Philosophy and Religion.—The purpose of the course is to answer the following questions: What are the fundamental capacities and yearnings of man? What is the nature and value of spiritual vigor? Why believe in a personal God? Why have a church? Why be a Christian? Why be a Latter-day Saint? The pedagogy of High School Theology and the training for social service through church activities will also be discussed. Lectures, class discussions, round table talks and written reports. Autumn, Winter, 11:00; four hours credit. Professor Osmond.

56.*. Ecclesiastical History.—Some of the important subjects treated in this course are: the religious and political world at the Messiah's birth; the rise and spread of Christianity; the intermingling of pagan philosophy with Christian doctrine; the apostasy; the origin and growth of papacy; the monastic system; growth and suppression of heresies; religious effect of the Renaissance; the Protestant reformation and the rise of religious sects; decline of persecution and growth of religious toleration; restoration of the Gospel; present status of Christendom. Autumn, Winter, 11:00; four hours credit. Professor Peterson.

SPECIAL CHURCH SERVICE CLASSES.

61. Missionary Course.—A consideration of the essentials of successful spiritual propaganda, in conver-

sion, public speaking, and correspondence. The ethics of the Doctrine and Covenants. The decisions and teachings of the living Oracles. The virility and peace conquest of Mormonism. Autumn, Winter, Spring, 11:00; six hours credit. President Brimhall.

62. Kindergarten Methods for Church Service.—

This course is designed to give students training as teachers and directors of primary and kindergarten work in the Sunday Schools and Primary organizations of the Church. The subject matter comprises a consideration of the prerequisites for successful teaching; methods and material as found in the myths, rhymes and child literature generally; stories from the Bible, the Book of Mormon, and lives of the leading men and women of the Church; and a special study of the child and child nature. Autumn, Winter, Spring, 11:00; six hours credit. Assistant Professor Dusenberry.

63. Hymnology.—A study of the historical, doctrinal, prophetic, and promise content of our hymns and a classification based on the propriety of hymn selection. Previous singing experience a prerequisite. Daily at 11:00; Autumn, Winter Spring; two hours credit each quarter. Professor Reid.

64. Spring Quarter Theology.—In addition to the Missionary, Kindergarten, and Hymnology courses, outlined above as special Church service classes, at the beginning of the Spring quarter, other classes will be organized to accomodate all students who have been pursuing the regular courses which terminate at the end of the Winter quarter. The purpose of these special Church service classes is to train the students to take up more effectively the various forms of Church activities in stakes and wards. Spring, 11:00; two hours credit. Teachers to be assigned.

DEPARTMENT OF AGRICULTURE.

Professor Merrill.

Professor Smart.

Professor Henderson.

Professor Buss.

Secondary Training In Agriculture.—This course is designed to give students teaching experience under the direction of experienced men in the departments of education and agriculture. Open to students majoring in agriculture who have had or are registered for Education 16. Emphasis is placed on subject matter in agriculture for the high schools and methods of presentation. From 4 to 12 hours credit, according to amount of teaching done. Autumn, Winter, Spring. Time to be arranged. (See Education 37.)

AGRONOMY.

11. Soils.—This course deals with the physical and chemical composition of soils, soil farming processes, classification of soil, chemical and physical properties of soil and the relation of these to soil structure, texture, and organic matter. Three lectures and two laboratory periods. Autumn. T., Th., F. at 2:30; M., W. 2:30-4:30; four hours credit. Laboratory fee, 50 cents. Professor Buss.

12. Soil Fertility.—This is a continuation of Course 11. It deals especially with the results of the action of weathering agents, the chemical composition of soil in relation to plant growth, nitrification, the organic content of the soil fertilizers, organisms of the soil, etc. Winter. Lectures and laboratory practice T. Th. F. at 2:30; M. W. at 2:30-4:30; four hours credit. Laboratory fee, 50 cents. Professor Buss.

13. Soil Management.—Continuation of courses 11 and 12. This course deals especially with the treatment

applied to soils to put them in the best condition of tilth. Such topics as control of soil moisture, especially in irrigation and arid farming, soil amendments, surface and deep cultivation in the fall and spring, and the relation of these to ideal seed bed. The soil survey. Spring. Lectures and laboratory. T. T. F. at 2:30; M. W. 2:30-4:30; four hours credit. Laboratory fee, 50 cents. Professor Buss.

Note.—The above three courses constitute a year's work in soil management. These courses are required of all students majoring or minoring in agriculture. It is recommended that students pursue these courses continuously throughout the year. Students entering these courses should have had or should be pursuing chemistry.

21. Field Crops—Cereals.—This course treats of the origin, botanical characteristics, varieties, especially those adapted to western conditions, improvement and cultivation of cereal crops, grain judging. Autumn. Lecture and laboratory practice. Daily 10:00; four hours credit. Laboratory fee, 50 cents. Professor Merrill.

22. Field Crops—Forage Plants.—This course treats the history, botanical characteristics, methods of seeding, cultivation and preservation for food of the legumes and grasses used in the west for feeding purposes. Winter. Lectures and Laboratory practice daily at 10:00; four hours credit. Laboratory fee, 50 cents. Professor Merrill.

23. Field Crops—Roots and Tubers.—This course deals with the root crops grown in the west for the sugar factories, also roots and tubers produced for feeding and domestic uses. Such topics as seed selection, seed testing, storage of seeds, roots and tubers, selection of potatoes for high yields, etc., score card practice. Lectures and laboratory exercises. Spring. Daily 10:00; four hours credit. Laboratory fee, 50 cents. Professor Merrill.

Agricultural Botany.—(See Biology 16.)

Diseases of Cultivated Plants.—(See Biology 41.)

35. Principles of Breeding.—The aim of this course is to set forth the underlying principles of animal and plant improvement, the origin of breeds and varieties. Variation, methods of studying variation, causes of variation, crossing hybridization, mutations. Autumn. M. W. F. 9:00; three hours credit. Professor Merrill.

36. Animal Breeding.—The aim of this course is to study the specific principle, practices and methods involved in the breeding and development of domesticated animals, such topics as mendelism in animals, transmission, heredity, value of pedigree, systems of breeding, etc., are considered. Winter, 9:00; three hours credit. Professor Merrill.

37. Plant Breeding.—This course is a study of the specific principles, practices and methods involved in the breeding and improvement of cultivated plants. Such topics as history of plant breeding, origin and selection of varieties, methods, purpose and results, value of mutants, breeding for disease resistance, etc., are included. Spring, 9:00; three hours credit. Professor Merrill.

Note.—The three courses outlined above aim to set forth the theory and practice involved in Thremmatology. These courses in genetics in relation to agriculture are required of all students majoring in agriculture and elective to others. For best results it is recommended that students pursue continuously these three courses throughout the year but either may be pursued independently of the other. (Courses 35, 36, 37 not given 1919-1920.)

46. Agricultural Literature.—Students who desire to become acquainted with the literature in the various fields of agriculture may register for this course and receive credit for the amount and quality of the work done. Special topics along the line of the students in-

terest are assigned, the literature on the subject is thoroughly reviewed and a thesis on the subject thus investigated, together with a bibliography, are submitted. Two hours credit, any term. Maximum credit, six hours.

47. Seminar.—Any group of six or more qualified students who desire to investigate and discuss agricultural subjects will be organized into a class with a professor from the department of agriculture in charge and credit given to the amount of one hour each term. Open to all students majoring in agriculture. Maximum four hours credit. Weekly time to be arranged.

51. Farm Management.—This course is a study of the business principles in farming. It treats such topics as types of farming, diversified and specialized farming; intensive and extensive farming, maintenance of soil fertility; live stock problems; size of farms in its relation to labor income; equipment; the farm layout; marketing of crops. Autumn and Winter. Lectures M. W. F.; four hours credit, (Not given 1919-1920.)

52. Farm Accounting.—The purpose of this course is to familiarize the student through a system of account keeping, with the methods which have been tried, approved and adopted by the most successful farmers. Four laboratory periods. Winter; four hours credit. (Not given 1919-1920.)

HORTICULTURE.

11. Fruit Marketing.—The purpose of this course is to acquaint the student with the outlook and financial returns that may be expected in horticultural pursuits.

The subject matter will include the history of fruit growing and the present outlook; a study of the leading varieties of pomaceous fruits; the picking, packing, marketing and storage of fruits. Autumn. Lectures and laboratory T. and Th. 8:00; two hours credit. Professor Smart.

12. **Orchard Management.**—This course deals with the orchard site, selection of varieties, planning and planting, cultivation, pruning, spraying, and the approved operations of successful orchard management as practical under arid conditions. Winter. Lectures and laboratory T. and Th. 8:00; two hours credit. Professor Smart.

13. **Canning and Orchard By-Products.**—This course deals with the general economic and cultural problems involved in raising fruit and crops for canning and evaporating purposes. It will include a study of the crops best adapted to canning and the best means of handling orchard by-products in cider and vinegar manufacture. Spring. Lectures and laboratory. T. and Th. 8:00. Two hours credit. Professor Smart.

14. **Agricultural Entomology.**—This course deals primarily with insect pests most common in this locality; and will include a careful study of the nature of the damage done, economic importance the life history of the insects involved, the history of their introduction and means of distribution; their natural enemies and parasites and methods of control. The regulations governing state inspection, fumigation, spraying, spray machinery, and the practical operations involved in orchard and field work will be considered. Three recitations and two three-hour laboratory periods. Autumn. Five hours credit. (Not given 1919-1920.)

ANIMAL HUSBANDRY.

17. **Animal Nutrition.**—This course deals with such topics as chemical element involved in animal nutrition, compounds of animal nutrition, digestion, assimilation. Function of nutrients. Autumn. Four hours credit. Knowledge of Chemistry and Biology is presupposed. (Not given 1919-1920.)

18. **Feeding Farm Animals.**—This course is a con-

tinuation of course 17 but may be pursued independently. It deals with the principles and practices involved in the feeding of the various classes of animals for mere maintenance and also for work. Such topics as foods, their value and composition, compounding rations for highest and most economic production of milk, meat, and eggs—also work. Winter. Four hours credit. (Not given 1919-1920.)

11. Horse Husbandry.—This course is a consideration of the types and breeds, care, feed, and management of horses. Their origin, development, adaptability to western conditions, and common ailments will be carefully considered. Autumn, 1:30. Four hours credit. Professor Merrill.

12. Beef Cattle Husbandry.—This course is a consideration of the types and breeds, feed, care and management of beef cattle for western conditions. The student will be made familiar with the animals by frequent field trips. Spring, 1:30. Two hours credit. Professor Merrill.

13. Sheep and Swine Husbandry.—Types, breeds, feed, care, management and common ailments of sheep and swine will be carefully considered. Spring. 1:30. Two hours credit. Professor Merrill.

14. Dairy Husbandry.—This course deal with dairy cattle and milk production. It is a consideration of such topics as the dairy type, dairy breeds, standards and selections of the dairy cow, the herd bull, management of dairy cattle, testing milk, keeping records. Winter. 1:30. Four hours credit. Professor Merrill.

15. Market Classes and Grades.—A study of the market classes and grades of horses, cattle, sheep and swine. The prevailing condition of large markets, transportation, classification at the markets, will be the subject matter of the course. Lecture and assigned read-

ings. Winter. 1:30. Three hours credit. (Not given 1919-1920.)

16. **Advanced Stock Judging.**—This work takes up the judging of market classes as well as the different breeds of pure bred animals, and includes the individual and group studying of animals of all classes. It takes up the work done in fairs. Trips are taken to our best stock farms where the students are given experience in judging pedigreed and grade animals. Autumn, Winter or Spring. 1:30 to 3:30. One two-hour period. One hour credit each quarter. Professor Merrill.

DEPARTMENT OF BIOLOGY.

Professor Henderson.

Professor Smart.

Instructor Cottam.

12. **General Botany.**—The general structure of plants, together with the fundamental principles of growth, reproduction and physiological activity are considered. In the laboratory, leaves, stems, roots, flowers and fruits are studied with reference to form, structure and function, and this work is supplemented by simple greenhouse experiments on problems of food-production, storage, sap-flow and respiration. Autumn. M. W. F. at 9:00, T. Th. at 1:30-4:30. Five hours credit. Laboratory fee, \$3.00. Professor Henderson and Mr. Cottam.

13. **Field Botany.**—The purpose of this course is to give the student a close acquaintance with our local flora; its adaptability to the laboratory practice of the high-school; its preparation and preservation. The subject matter will include the ecology and life histories of fungi, algae, liverworts, mosses, ferns and conifers; and an intimate study of the spring flowers and weeds common to

this vicinity. Spring, two three-hour field and laboratory periods per week. Two hours credit. Time to be arranged. Laboratory fee, \$1.00. Professor Smart and Mr. Cottam.

14.* Plant Histology.—This is primarily a laboratory course in the technique of preparing, staining, and mounting of sections for microscopical examination. Some attention is given to a study of tissues and tissue systems. Prerequisite, Biology 12. Spring. M. W. F. 1:30-4:30. Three hours credit. Laboratory fee, \$3.50. Professor Henderson and Mr. Cottam.

16.* Plant Physiology.—A lecture and laboratory course in the physiology of plants, covering such topics as absorption, transpiration, synthesis of carbohydrates and proteins, digestion, translocation, respiration, growth and reaction of plants to stimuli. Prerequisites, Biology 12 and Chemistry 11, 12, and 13. Spring. T. Th 10:00, M. W. F. 1:30-4:30. Laboratory fee, \$3.00. Professor Henderson and Mr. Cottam.

21. Bacteriology.—In this course micro-organisms are studied in their general relations to sanitation, domestic science, agriculture and diseases of plants, animals and man. Laboratory work is devoted to such topics as, methods of culture, effects of heat, cold, drying and chemicals on micro-organisms; and bacterial examinations of air, milk, soils and water. Open to all students. Recommended for students of domestic science, agriculture, and those who are concerned with problems of health work in the schools. Autumn. M. W. F. 10:00, T. Th. 1:30-4:30. Five hours credit. Laboratory fee, \$3.00. Professor Henderson and Mr. Cottam.

36.* Algae and Fungi.—A study of the morphology, life histories, classification and relationships of the main groups of algae and fungi. Special emphasis is given to local forms. Autumn, two lectures and three three-hour

laboratory periods per week. Five hour credit. Time to be arranged. Laboratory fee, \$3.00. Professor Henderson and Mr. Cottam.

37.* Liverworts, Mosses and Ferns.—A study of the morphology, life histories and relationships of the liverworts, mosses and ferns. Materials for laboratory study are selected from local forms as far as practicable. Prerequisite, Biology 36. Winter, one lecture and two three-hour laboratory periods per week. Three hours credit. Time to be arranged. Laboratory fee, \$2.00. Professor Henderson and Mr. Cottam.

38.* Seed Plants.—A study of the morphology, life histories, classification and relationships of the higher plants, special emphasis being given to local forms. Field work is an important feature. Prerequisites, Biology 36 and 37. Spring, one lecture and two three-hour laboratory periods per week. Three hours credit. Time to be arranged. Laboratory fee, \$2.00. Professor Henderson and Mr. Cottam.

41. Diseases of Cultivated Plants.—The important groups of disease producing organisms are considered. Life histories and habits of these parasites are emphasized as a basis for understanding methods of control. Seed treatments are demonstrated and their relative efficiency discussed. Characteristic symptoms of our common plant diseases are studied in laboratory and field, and a representative collection is required of each student. Open to students who have had a high school course in botany or its equivalent. Recommended for all students of agriculture. Autumn, T. Th. 8:00; M. W. F. 9:00-11:00. Four hours credit. Laboratory fee, \$2.50. Professor Henderson and Mr. Cottam.

46.* Methods In Plant Pathology.—This course is devoted primarily to the technique of handling plant parasites. Such topics as preparation of culture media, isolation and culture of disease-producing organisms and

inoculation of parasites into host plants are considered. Prerequisites, Biology 12, 21, 41 and Chemistry 11, 12 and 13. Winter, two lectures and two three-hour laboratory periods per week. Four hours credit. Time to be arranged. Laboratory fee, \$3.50. Professor Henderson and Mr. Cottam.

51.* General Zoology.—This is an introductory course in which laboratory study of representative forms serves as a basis for discussion of structure, physiological activity, life history and habits of animals. Economic relations are emphasized, and when practicable, economic forms are selected for laboratory demonstration. Winter, M. W. F., 9:00; T. Th. 1:30-4:30. Five hours credit. Laboratory fee, \$3.00. Professor Henderson and Mr. Cottam.

52. Medical Invertebrate Zoology.—This course is designed for students who are interested in problems of hygiene, sanitation and dissemination of disease. Animal forms causing and transmitting disease will be studied in the laboratory as a basis for understanding structure, life history and methods of control. Open to students who have had a course in biological science in the high school. Spring, two recitations and one three-hour laboratory period per week. Three hours credit. Time to be arranged. Laboratory fee, \$1.00. Professor Smart.

54. Comparative Anatomy of Vertebrates.—A series of lower vertebrate forms are dissected in the laboratory and upon this study, together with text-book and other readings, are based class-room discussions on the comparative anatomy of this group. Prerequisite, Biology 51. Spring, T. Th. 9:00; M. W. F. 1:30-4:30. Five hours credit. Laboratory fee, \$3.50. Professor Henderson.

55. Heredity and Eugenics.—The early part of the course is devoted to the cell, its development and inherit-

ance, the distinctions between soma- and germ-plasm and maturation divisions as a basis for understanding the principles of variation, generation and heredity. Facts and theories of heredity are discussed and recent experimental data are examined. Emphasis is given to consideration of factors involved in the development and well-being of the human family. Spring, M. W. F. 10:00; T. Th. 1:30-4:30. Four hours credit. Professor Henderson and Mr. Cottam.

61. Physiology, Hygiene and Sanitation.—Designed to meet state requirements in health education. The early part of the course is devoted to fundamental physiological processes such as digestion, circulation, respiration and excretion, and upon these as a foundation are based studies of personal hygiene, hygiene of the school child, sanitation of school buildings, and surroundings, public and home sanitation and recognition of defects in children. As far as practicable, all phases of the work are intensified and made practical by laboratory experiment and demonstration. Winter, M. W. F. 10:00; T. Th. 1:30-4:30. Five hours credit. Laboratory fee, \$2.50. Professor Henderson, Professor Smart and Mr. Cottam.

62. Elementary Neurology.—The development, structure and function of the nervous system, particularly that of man, are discussed. The general principles of growth, development and inheritance are considered. Laboratory study and assigned readings are made the basis for class-room discussion. Required of General Psychology students, open to others. Autumn, T. Th. 9:00; M. W. 9:00-11:00. Four hours credit. Laboratory fee, \$2.50. Professor Henderson and Mr. Cottam.

99.* Research.—Open to properly qualified graduate students. Subjects may be selected in the field of botany or plant pathology. Registration only after consultation.

DEPARTMENT OF BUSINESS EDUCATION.

Professor Holt.

Professor Swenson.

Assistant Professor Clark.

Assistant Professor Jones.

Instructor Hone.

STENOGRAPHY.

11. Shorthand Principles and Dictation.—Principles of Shorthand according to the standard Pitman system as set forth in the Phonographic Amanuensis and Reporter's Companion during the Autumn and Winter Quarters; dictation work during Spring Quarter. Two hours daily, 9:00 to 11:00. Four hours credit each quarter. Professor Holt.

TYPEWRITING.

21. Touch Typewriting.—Touch Typewriting, according to standard methods, one hour daily throughout the year. One and one-half hours credit each term. Students may register for two hours daily and three hours credit each quarter; see instructor for time. Instructor Hone.

BUSINESS ENGLISH.

31. Business English and Correspondence.—The substance and style of business English: clearness in sentences; correctness of dictation; force in sentence structure; force in dictation; the paragraph. Business forms and usages: the standard of business usage; the mechanical form of the letter; official and social forms; remittances; telegrams and cablegrams; the essential qualities of business letters; claims and adjustments; the various kinds of letters; filing systems. Winter, Spring, 8:00. Four hours each quarter. Professor Holt.

ACCOUNTING.

11. Preparatory Accounting.—The object of this course is two-fold: First, to sufficiently equip college students in the theory and practice of modern bookkeeping that they might qualify as bookkeepers at the end of the course. Second, to prepare students for entrance to higher work in accounting. The work is largely laboratory in nature. Up-to-date business sets dealing with single proprietorships, partnerships, and corporations are used. Students having full high school credit in bookkeeping cannot receive credit for this course. Nine hours credit. Autumn, Winter, and Spring. Daily, 1:30-3:30. Three hours credit each quarter. Assistant Professor Clark.

13. Principles of Accounting.—The fundamental principles of accounting of importance to the business man, the practicing accounting and to teachers of the subject. Prerequisite Course 11. Autumn and Winter. 10:00. Eight hours credit. Four hours each quarter. Assistant Professor Clark.

14. Accounting Practice.—This course consists of the solving of practical problems with a view of rationalizing the accounting theory as applied to the various forms and types of business organization. Accounting 13, prerequisite. Spring. 10:00. Four hours credit. Assistant Professor Clark.

15. Cost Accounting.—The fundamentals of cost figuring as applied to manufacturing. Accounting 13 prerequisite. Autumn. 9:00. Four hours credit. Assistant Professor Clark.

COMMERCE AND FINANCE.

Economics.—See Economics 11. Professor Swenson.

Economics.—See Economics 12. Professor Swenson.

Ocean and Railway Transportation.—See Economics 26. Professor Swenson.

Public Finance—See Economics 36. Professor Swenson

Money and Banking.—See Economics 37. Professor Swenson.

11. Private Finance.—Financial and legal status of business corporations. A brief study of the agreements, pools, legal trusts, corporations and holding companies. Practical questions such as capital and income; sources and uses of funds; forms of business associations; promotions; consolidations; capitalizations; investment of capital funds; disposition of gross earnings; betterment expenses; creation and distribution of surplus; insolvency and receivership; readjustment and reorganization. Autumn and Winter. Daily, 8:00. Ten hours credit. Assistant Professor Jones.

12. Markets and Marketing.—A study of the sources of raw materials and of the markets and price fluctuations of products. The growth of markets and modern methods of distribution will be considered. Special attention will be given local problems, particularly the marketing of farm products. Autumn, Winter, Spring. Tuesday and Thursday, 9:00. Six hours credit. Assistant Professor Jones.

13. Credits and Collections.—Theory of credit; credit instruments; kinds of credit; credit information through the credit agencies; legislation and the National Bankruptcy Acts. Spring. 8:00. Five hours credit. Assistant Professor Jones.

14. Insurance and Real Estate.—The course will consist primarily of fire insurance. A brief study of the principles common to all forms of insurance. Those considered are: history of insurance; risk; inspection; fire protection; rating; financial aspect of protection; adjust-

ment of losses; brokerage. In real estate the following subjects are discussed: interests in land; contracts; liens; taxes and assessments; the transfer of title and title insurance; deeds; bonds and mortgage; brokerage.

(Not given in 1919-1920.)

15. Advertising.—The economic factors in advertising. Applied psychology; how to influence men; the power of argument and suggestion and when to use each. The essentials of group-selling; securing attention, creating desire, and stimulating action. The law of the sale; the advertising agency; type; media; color; trade-marks.

(Not given in 1919-1920.)

16. Selling.—A study of the theory and principles of salesmanship supplemented by practical sales demonstrations. Some of the topics considered are: Suggestion; argument; selling principles, methods and problems; the pre-approach; the psychology of purchase; the approach; the demonstration, the closing.

(Not given in 1919-1920.)

17. Office Management.—The organization and administration of clerical forces. A study of the practice of well organized offices. Some of the subjects discussed are as follows: Office organization, ventilation, heat, light, organization of departments and various scheduling and follow-up systems; detailed organization within the departments; methods of selecting and preparing charts, devices and reports; mechanical equipment; filing and indexing methods.

(Not given in 1919-1920.)

18. Retail Selling and Management.—The functions of the retailer; requisites essential to the sales force; elimination of leaks and losses through the use of proper forms and inspection system; methods of selling; window display; arguments for and against retail credit; methods of collection. Spring. 8:00. Two hours credit. Assistant Professor Jones.

BUSINESS LAW.

11. Contracts.—A study of the creation and performance of contracts; who may contract; who are not bound under contract; consideration; illegal contracts; fraud; the law of evidence as applied to written and verbal contracts; the application of the Statute of Frauds; specific performance; damages for breach of contracts. Each principle will be illustrated by several cases. Autumn. 9:00. Three hours credit. Assistant Professor Jones.

12.—Negotiable Paper.—A study of negotiable instruments; forms of bills; notes, drafts and checks; acceptance of drafts and certification of checks; banks' liability on checks; special requirements as to form; defenses to suits on usury, forgery, theft, raising, illegal debts, alterations, infancy, insanity, prior payment; transfer and negotiation; contract of parties; indorsers and when they may be discharged; holders for value and in due course; method and time of presentment in case of dishonor. Winter. 9:00. Three hours credit. Assistant Professor Jones.

13. Agency and Partnership.—Agency.—Relationship of principal and agent; responsibilities of each; classes of agents and termination of authority. Partnership. Its firm name, capital and property; rights and obligations of each partner; third persons and the partnership; acts which dissolve the partnership. Spring. 9:00. Three hours credit. Assistant Professor Jones.

14. Sales.—Sales distinguished from barter, gifts and bailments. Formalities essential to making of a sale. The application of the Statute of Frauds. Warranties, transfer of title; obligations of contracting parties; offer and acceptance; breach and remedies; Uniform Sales Act. (Not given in 1919-1920.)

15. Bankruptcy.—Procedure in case of bankruptcy;

who may be bankrupt; acts of bankruptcy; title vested in trustee; claims; rights and duties of creditors and bankrupt; bankrupt's discharge; debts not released by discharge. (Not given in 1919-1920.)

16. **Property.**—Kinds of property; how title to personal property is acquired; estates in real property; rights of one person in real property of another; different ways of acquiring title. (Not given 1919-1920.)

17. **Corporations.**—Corporation defined; its creation; rights and duties of stockholders, directors and officers; rights and limitations of creditors. (Not given in 1919-1920.)

DEPARTMENT OF CHEMISTRY.

Professor Maw.

11. **General Inorganic Chemistry.**—This is an introductory course. The principles and theories of chemistry are studied in detail in connection with the non-metals. Intended for students who have not had high school chemistry. It should be taken as a foundation for other sciences and especially domestic science. Autumn. 9:00. Five hours credit. Three recitations and two three-hour laboratory periods. Professor Maw.

12. **General Inorganic Chemistry.**—Continuation of 11. Winter. 9:00. Five hours credit. Professor Maw.

13. **General Inorganic Chemistry.**—Continuation of 12. It deals with the metals and elementary qualitative analysis. Spring. 9:00. Five hours credit. Professor Maw.

14. **General Inorganic Chemistry.**—Open only to

those students who have had high school chemistry. Autumn. 10:00. Five hours credit. Professor Maw.

15. **General Inorganic Chemistry.** Continuation of 14. Winter. 10:00. Five hours credit. Professor Maw.

16. **General Inorganic Chemistry and Elementary Qualitative Analysis.**—Continuation of 15. Spring. 10:00. Five hours credit. Professor Maw.

22.* **Advanced Qualitative Analysis.**—Spring. 8:00. Five hours credit. Professor Maw.

31. **Elementary Quantitative Analysis.**—Training in gravimetric and volumetric methods. Autumn, Winter, or Spring. 1:30. Five hours credit. Professor Maw.

32. **Elementary Quantitative Analysis.**—Continuation of 32. Autumn, Winter, or Spring. 1:30. Five hours credit. Professor Maw.

33. **Elementary Quantitative Analysis.**—Continuation of 32. Autumn, Winter, or Spring. 1:30. Five hours credit. Professor Maw.

35.* **Mineral Analysis.**—Systematic analysis of representative minerals. Autumn, Winter, or Spring. Professor Maw. From two to ten hours credit. The hours credit is determined by the amount of work done.

37.* **Fire Assaying.**—Crucible and scorification methods for gold and silver ores. Time to be arranged. Spring. Two hours credit. Professor Maw.

38.* **Wet Assaying.**—Autumn, Winter, or Spring. Three hours credit. Professor Maw.

39.* **Special Methods.**—(a) Water analysis; two hours credit. (b) Food analysis; two hours. (c) Elec-

trolytical analysis; two hours credit. Time to be arranged. Professor Maw.

41. Elementary Organic Chemistry.—The course will take up thoroughly the simple organic compounds, investigating the chemical behavior, the characteristic reactions, and relationships of the different classes of organic compounds. The laboratory work consists in the preparation of typical carbon compounds. Autumn. 1:30. Four hours credit. Professor Maw.

42.* Elementary Organic Chemistry—Continuation of 41. Winter. 1:30. Four hours credit. Professor Maw.

43.* Advanced Organic Chemistry.—Spring. 1:30. Three hours credit. Professor Maw.

51. Elementary Physical Chemistry.—Autumn. Two hours credit. (Not given 1919-1920.)

61. Agricultural Chemistry.—The aim of this course is to give thorough training in the analysis of soils and agricultural products. Open only to students who have completed Chemistry 31. Five hours credit. (Not given 1919-20.)

66.* Physiological Chemistry.—This course is especially designed for students doing advanced work in domestic science. The chemistry of nutrition, digestion, absorption, assimilation and excretion will be considered in detail. General elementary chemistry is a prerequisite. One recitation and two three-hour laboratory periods. Three hours credit. (Not given in 1919-1920.)

71.* Independent work in mineral analysis; credit according to the amount of work done. Five to fifteen hours credit. Time to be arranged.

Laboratory fee \$2.50 a quarter for all courses except 37, in which the student will pay for actual material used

A breakage deposit of \$3.00 must be made by each student before beginning the laboratory work. This amount less the breakage is returned at the end of the course.

DEPARTMENT OF CORRELATED ARTS.

Professor Eastmond.

Professor Harris.

Professor Elliot.

Associate Professor Larson.

Instructor Campbell.

Instructor Young.

Instructor Wright.

ART.

11. Free Hand Representation.—Clay modeling. Advanced drawing in various mediums. Emphasis upon objective tone study in charcoal. Pictorial composition. Emphasis upon point medium. Crayon and pencil. Laboratory fee, 50 cents each quarter. Autumn and Winter. M. W. and F. 2:30. Three recitations and one studio hour. Two hours credit each quarter. Professor Eastmond.

12. Pictorial Landscape.—Correlated perspective reviewed. Water color in connection with tone. Nature sketching and Pictorial composition. Objective and subjective composition. Decorative treatment. Oil medium. Two recitations and two studio hours. Two hours credit. Laboratory fee, 50 cents. Spring. M. W. and F. 2:30. Professor Eastmond.

13. Illustration.—Study of the reproduction of illustrations, printing plates and mediums. Composition; pen and ink methods; drawing; color study; practical illustration work; etching; cartooning; and decorative

rendering. Required Art 11 and 12. Three recitations and one studio hour. Winter, Spring. M. W. and F. 4:30. Two hours credit each quarter. Professor Eastmond.

14. Water Color Painting.—Still life representation. Flower painting and color study. Pictorial composition and color theory. Two recitations and two studio hours. Laboratory fee, 50 cents each quarter. Autumn, Winter, Spring. T. and Th. 2:30. Two hours credit each quarter. Instructor Young.

15. Oil Painting.—Objective landscape. Composition and color development; still life representation; objective marine painting and out door sketching. Three recitations and one studio hour. Required Art 11 and 12. Art 25 recommended as a parallel course. Laboratory fee 50 cents each quarter. Autumn, Winter, Spring. M. W. and F. 4:30. Two hours credit each quarter. Professor Eastmond. (Not given 1919-1920.)

16. Studio Work.—Outline of work and other information pertaining to the course will be given by the director of the department. Special attention is given to individual needs. Credit is given on the basis of three hours' work for one hours' credit. Laboratory fee, 50 cents for each hour's credit. Autumn, Winter, Spring. Time to be arranged. Two hours credit each quarter. Professor Eastmond and Instructor Young

21. Design Study and Application.—Review of rhythm, balance, harmony, and other foundational principles. Three recitations and one studio hour. Prerequisite, Art 11 and 23. Laboratory fee, 50 cents. Autumn. Two hours credit. Professor Eastmond and Associate Professor Larson.

22. Vocational Crafts.—Outline of work and other instructions as to course will be given by the director of the department. Poster and show card writing; wood carving; scenery painting, house painting, wood finish-

ing, china painting, may be taken. Credit is given on the basis of three hours recitations for one hours credit. Prerequisite Art 31. Art 21 is recommended as a parallel course. Laboratory fee, 50 cents. Winter, Spring. Time to be arranged. Two hours credit. Professor Eastmond.

23. Illustrated Lecture Course.—Historic development of formative influences. Religion and Art. Primitive Art. A consideration of the Pre-Greek, Egyptian, Chaldean-Assyrian, Phoenician, Greek, Greek Colonial, Roman, Pompeiian, Byzantine, Saracenic, Romanesque, Gothic, and Renaissance. Autumn, Winter. Time to be arranged. One hour credit. Professor Eastmond. (Not given 1919-20.)

24. Pageant Production.—Development of nature plays, symbolic representations and civic pageants. Pageant formation, costuming and lighting. Winter, Spring. Time to be arranged. Two hours credit. Professor Eastmond.

25. Architectural Design.—Study and application of historic orders. Consistency of line, form, color, and ornamentation; architecture as a fine art, development of elevation drawings. Prerequisite Art 21. Two recitations and three studio hours. Autumn. Two hours credit. Time to be arranged. Professor Eastmond. (Not given 1919-20.)

26. Mechanic Arts Design.—The influence of historic styles. Study of proportion. Consistency of form and color; ornament and its relation to the project. Development of the sense of choice. Project designing. Correlated with drafting. Prerequisite Elementary Design. Winter. Time to be arranged. Two hours credit. Professor Eastmond.

27. Home Planning, and Applied Art.—Historic development of the house. Location and environment.

Plan drawing. Effect of form, line, and color in decoration; correlated decorations; elementary landscape gardening. Required Art 21, or equivalent. Two recitations and one studio hour. Laboratory fee, 50 cents. Winter, Spring. 10:00. Two hours credit each quarter. Professor Eastmond.

31. Graphic Representation.—This course is especially designed for teachers. Various phases of mass-drawing dealing with clay, paper, crayons, charcoal, water color, and pencil. Motif drawing, composition in dark and light and in color. Distance representation in tone, color and form. Illustrative drawing involving the study of perspective. Laboratory fee, 50 cents. Autumn. M. W. F. 2:30. Two hours credit. Professor Eastmond.

32. Decorative Design.—This course is especially designed for teachers. Motif drawing applied. Decorative landscape, lettering, adjustment of decorative form to geometric space, and geometric design. Design adapted to practical school-room work; blackboard drawing and decoration. Work correlated with natural centers of interest. Stenciling, stick printing and block printing. Laboratory fee, 50 cents. Winter. Time to be arranged. Two hours credit. Professor Eastmond.

33. Normal Manual Training.—Construction and Handicraft for Primary Grades and Kindergarten. Clay work, paper construction, simple stenciling, stick printing, weaving, and thin wood construction. Work correlated with the seasons, special days, local industries, the home and various subjects of the school curriculum. Special attention given to method. Art 31 and 32 recommended. Careful consideration of adopted courses of study. Laboratory fee, \$1.50. Spring. Time to be arranged. Three hours credit. Associated Professor Larson.

34. Normal Manual Training.—Correlated Construction and Handicraft for Grammar Grades and Junior

High School. Clay modeling and construction, working, drawing, thin wood construction, branch work, native material basketry, book binding, textile work, and other lines of constructive design fitted to the needs of industrial education. Practical method work with special emphasis on centers of interest. Art 31 and 32 recommended. Laboratory fee, \$1.50. Spring. Time to be arranged. Three hours credit. Professor Eastmond.

35. Arts Supervision—Methods of Teaching.—Study of the educational possibilities of the arts and manual training. In drawing, design, domestic art, domestic science, and the fine arts. Study of the adaptation of materials and mediums of expression. Study of arts and manual training correlation. This course is subject to subdivisions adjusted to the methods of the various lines of work. Autumn. Time to be arranged. Two hours credit. Professor Eastmond.

36. Supervision Training—The planning of courses of study. Actual training with various grades. Subdivisions will be necessarily made and students will be given training work with the teachers of various subjects. Required: Education 21 and Psychology 11. Winter. Time to be arranged. Two hours credit. Professor Eastmond.

Industrial Arts Training—(Secondary Training). Students who are majoring in this department are given the opportunity of actual teaching under the direction and supervision of the director and department assistants. See Education 37.

DOMESTIC SCIENCE.

51. Foods.—Preparation of jellies and canned fruits. Cooking of vegetables. Two two-hour laboratory periods and two recitation periods a week. Laboratory fee, \$2.00.

Autumn Tuesday and Thursday 1:30-3:30; Monday and Wednesday 2:30-3:30. Three hours credit. Instructor Wright.

52. Foods.—Cooking of meats, batters and doughs. Two two-hour laboratory periods and two recitations a week. Laboratory fee, \$2.00. Winter. Tuesday and Thursday 1:30-3:30; Monday and Wednesday 2:30-3:30. Three hours credit. Instructor Wright.

53. Foods.—Cooking of cereals, eggs, simple salads and desserts. Two two-hour laboratory periods and two recitations. Laboratory fee, \$2.00. Spring. Tuesday and Thursday 1:30-3:30; Monday and Wednesday 2:30-3:30. Three hours credit. Instructor Wright.

61. Preparation of Foods.—Canning of vegetables and combination of meats and vegetables in menu planning. Two two-hour periods and two recitation periods a week. Laboratory fee, \$2.00. Autumn. Monday and Wednesday 3:30-4:30, and Tuesday and Thursday 3:30-5:30. Three hours credit. Professor Harris.

62. Advanced Cookery.—Preparation of salads, entrees and desserts in menu planning. Two two-hour laboratory periods and two recitation periods a week. Laboratory fee, \$2.00. Winter. Monday and Wednesday 3:30-4:30, and Tuesday and Thursday 3:30-5:30. Three hours credit. Professor Harris.

63. Serving.—Planning, buying and serving meats. Two two-hour laboratory periods and two recitations a week. Laboratory fee, \$2.00. Spring. Monday and Wednesday 3:30-4:30, and Tuesday and Thursday 3:30 to 5:30. Three hours credit. Professor Harris.

Note: Chemistry 11, 12, 13 are prerequisite, or must parallel the courses in group 60 if majoring in Domestic Science.

76. Experimental Cookery.—This course includes

principles and processes of cookery. Two hour laboratory periods a week. Laboratory fee, \$2.00. Autumn. Tuesday and Thursday 1:30 to 3:30. Two hours credit. Professor Harris.

77. Demonstration Cookery.—This course comprises a study of the methods of demonstrating the preparation of foods, and is especially helpful to students preparing to teach Domestic Science. Two two-hour laboratory periods a week. Laboratory fee, \$2.00. Spring. Tuesday and Thursday 1:30 to 3:30. Two hours credit. Professor Harris.

87. Nutrition.—Composition of foods, a study of the combinations, suited to the needs of the body. Prerequisite Chemistry 41, 42. (Not given 1919-20.)

88. Dietetics.—Application of principles of nutrition to the feeding of individuals and groups. Prerequisite Chemistry 41, 42. (Not given in 1919-20.)

DOMESTIC ARTS.

11. Study of Cotton Textiles.—Use of commercial patterns, adapting them to the user. Technical finishing of simple machine made garments. Plain sewing required. Laboratory fee, \$1.00. Autumn. Five hours a week. Section 1 at 10:00. Section 2 at 1:30. Two hours credit. Professor Elliott.

12. Study of Wool and Silk Textiles.—Making of underskirts and dress skirts, silk and wool, emphasizing the finishing of each article. Five hours a week. Laboratory fee, \$1.00. Winter. Sec. 1 at 10:00; Sec. 2 at 1:30. Two hours credit. Professor Elliott.

13. Application of Line and Color. Elementary Dressmaking.—Adapted to form and complexion in mak-

ing of summer dresses. Five hours a week. Spring. Sec. 1 at 10:00; Sec. 2 at 1:30. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

21. Art Needlecraft.—Special attention given to individual need of students. Original design emphasized. Prerequisite, Elementary Design, High School Needlecraft or the equivalent. Autumn, Winter, Spring. Monday, Wednesday 2:30. Two hours outside work required each week. One hour credit. Laboratory fee, 50 cents each quarter. Instructor Campbell.

22. Art Needlework.—Original design application. Filet crochet and design study. Prerequisite, Design and High School Needlework. Art 21 recommended as a parallel course. Autumn. Five recitations at 2:30. Three hours credit. Laboratory fee, 50 cents. Instructors Young and Campbell.

23. Roman Cutwork and Hedebo.—History of work and application of stitches. Prerequisite Domestic Art 22. Winter. Daily at 2:30. Three hours credit. Laboratory fee, 50 cents. Instructors Young and Campbell.

24. Colored Embroidery.—Color study. Making of designs and application on household linen. Prerequisite, Domestic Art. Spring. Daily at 2:30. Three hours credit. Laboratory fee, 50 cents. Instructors Young and Campbell.

31. Fine Sewing.—Fundamental faggoting stitches applied to baby clothing and lingerie, study of laces and sheer materials. High school needlework or its equivalent required. Design and Art 21 recommended as parallel courses. Autumn. Mon., Wed., Fri. 9:00. Three hours preparation. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

32. Sheer Waists, Negligees, Children's Fine White Dresses.—The purpose of the course is to create a desire

for dainty clothing. Winter. Mon., Wed., Fri. 9:00. Three hours preparation. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

33. Summer Dresses.—Practical applications of previous lessons on sheer materials. Spring. Mon., Wed., Fri. 9:00. Three hours preparation. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

36. Advanced Dressmaking.—The combination of old and new material in the making of a dress. Practical experience in color harmony, in designing and buying materials for afternoon and evening dresses. Autumn. Mon., Wed., Fri. 3:30. Six hours required for preparation. Laboratory fee, \$1.00. Three hours credit. Professor Elliott.

37. Practical Dressmaking.—Afternoon and party dresses. Training in line and color harmony. Adapting designs in current fashion magazines to the individual. Winter. Mon., Wed., Fri. 3:30. Six hours required for the preparation. Laboratory fee, \$1.00. Three hours credit. Professor Elliott.

38. Spring Coats and Dresses.—Application of line and color to the proportions of the individuals. Design and draping materials for summer dresses. Spring. Mon., Wed., Fri. 3:30. Six hours required for preparation. Laboratory fee, \$1.00. Three hours credit. Professor Elliott.

39. Shop Work.—This course is designed for students who have had experience in dressmaking and desire to continue in that line of work. Students may register for one, two or three hours each term. Laboratory fee, 75-cents each term. Time to be arranged. Autumn, Winter or Spring. Professor Elliott.

42. Textiles.—Care and repair of clothing, laundering, pressing, dry cleaning, consideration of clothing

budget. Spring. T. and Th. 9:00. Four hours a week preparation. Two hours credit. Laboratory fee, \$1.00. Professor Elliott.

DEPARTMENT OF ECONOMICS AND SOCIOLOGY.

Professor Swenson.

ECONOMICS.

11. **Elementary Economics.**—This course deals with the general principles underlying the industrial life. It reviews the production and exchange of wealth both from the historical and analytical points of view. Autumn. 8.00. Four hours credit. Professor Swenson.

12. **Elementary Economics Continued.**—This course deals with the general principles and methods of the distribution of wealth and some of the resulting problems issuing therefrom as they affect the industrial life. Winter. 8:00. Four hours credit. Professor Swenson.

13. **Economic History of the United States.**—The economic development of the United States through the colonial era, and the period of the industrial revolution and westward movement, with emphasis upon economic integration and industrial organization. Spring. 8:00. Four hours credit. Professor Swenson.

26. **Ocean and Railway Transportation.**—The development of the ocean traffic and the American railroad from the standpoints of history, charter, privileges, capital, service, passenger, freight, express, and mail; relation to the public, and relation to the state. Autumn. 9:00. Five hours credit. Professor Swenson.

36. Public Finance.—The science of public finance the theory of public expenditure; public income and public debts; the preparation of the budget and financial administration. Winter. 9:00. Four hours credit. Professor Swenson.

37. Money and Banking.—A study of the principles of money and banking; the exemplification of those principles in the monetary and banking history of the United States, and the study of the present-day currency and banking problems in the United States. White's "Money and Banking." Spring. 9:00. Four hours credit. Professor Swenson.

46. Corporate Industry.—A study of the history, organization and economic functions of corporations with emphasis upon their relations to our present social order and the problems they present. Three hours credit. (Not given in 1919-1920.)

47. Labor Problems and Legislation.—The labor problem in relation to modern history; the rise and growth of labor organizations; the development of collective bargaining; industrial arbitration and conciliation; the principles of state interference in industry. (Not given in 1919-1920.)

SOCIOLOGY.

11. Elementary.—The nature and development of Society. Studies activities with resultant organization; and the growth and function of social institutions. Autumn. 10:00. Four hours credit. Professor Swenson.

12. Elementary, Continued.—Socialization and social control. A study of social laws, forces, and ideals, and their relation to social control. Winter. 10:00. Four hours credit. Professor Swenson.

21. A general survey of the leading economic, social and individual causes of social disorder and poverty; methods and principles of modern relief policies; the charity organized society movement, and other current movements for social betterment. Spring. 10:00. Four hours credit. Professor Swenson.

31. **Debating.**—A course in argumentation and debate. The aim is to give the student training in the discussion of public questions in the field of history, politics, economics and sociology. Throughout the year; time to be arranged. Professor Swenson.

DEPARTMENT OF EDUCATION.

Professor Brown.

Professor Peterson.

Associate Professor Poulson.

Assistant Professor Dusenberry.

Assistant Professor Peterson.

Assistant Professor Ollerton.

The courses in this department are designed to prepare teachers and supervisors for elementary and secondary schools.

The department is divided into Junior and Senior divisions. Professor Brown has charge of the Junior division and Professor Peterson the Senior division.

Students completing two years or ninety hours of college work, including thirty hours in Education, will be granted a Normal Diploma. The following courses in Education are prescribed to meet the professional requirements: Educational Psychology, Principles of Education, Methods of Teaching and Elementary Training. Students completing requirements for the Baccalaureate or Master's degree, including thirty-two hours in Education, will be awarded in connection with the Bach-

elior's or Master's Degree, a Teacher's High School Diploma. The following courses in Education are prescribed to meet the professional requirements: Psychology, at least four hours, the remaining twenty-eight hours in the following subjects: Science of Education, Secondary Education, Secondary Training, and Methods, or their equivalents.

Students making Education their major for Bachelor's Degree are expected to offer History of Education, Advanced Educational Psychology, and School Organization and Administration in addition to the courses prescribed for the High School Diploma.

The Church Teachers' College has been accredited by the State Board of Education and students meeting the above requirements will be granted corresponding state credentials, without examinations, to teach in the schools of the state.

In order to provide opportunities for observation and practice teaching, the University has a well equipped training school, including a kindergarten, the six elementary grades and the six years of the Junior and Senior High School.

Students who wish to specialize in any subject or prepare themselves for supervisors will be assigned additional work under special teachers. They will find all the departments, including laboratory equipment of the University, open to them.

JUNIOR COLLEGE COURSES.

11. Principles of Education.—This course is an introduction to the scientific study of education. It includes a discussion of the meaning, scope and aims of education; the material to be used, and the results to be attained; the relation of the school to society as a whole and to other educational agencies; the scientific investigations that have furnished standards for measuring results. Winter, 8:00 and 3:30; Spring, 9:00. Four hours credit. Professor Brown, Associate Professor Poulson.

21. Methods of Teaching in Kindergarten and Primary Grades.—This course should be taken by students in elementary training who expect to teach in the primary grades. Special attention will be given to kindergarten work and the teaching of reading to beginners. Principles, methods, and subject matter involved in the teaching of language, literature, spelling, handwriting, arithmetic, geography and history in the primary grades will also be considered. Class work will be supplemented by observation in the Training School. A short period will be given to instruction in the use of books and libraries. Course will be continued through Autumn, Winter and Spring. M., W., F., 10:00. Nine hours credit. Assistant Professors Ollerton, Peterson and Dusenberry.

22. Methods of Teaching in Grammar Grades.—This course should be taken by students in elementary training who expect to teach in the intermediate and grammar grades. A careful consideration of the methods of teaching the elementary school subjects as well as a review of the essential subject matter involved will be given. Among the other important problems to be considered will be the following: Adapting the subject matter to the needs and capacities of the child, study supervision, promotion by subjects. A short period will be devoted to instruction in the use of books and libraries. Course will be continued through Autumn, Winter and Spring. M., W., F. 10:00. Nine hours credit. Associate Professor Poulson.

23. Kindergarten.—Materials of Educative Value for Children.—A consideration of selected and corrected play material which keep within the realm of the child's experience.

A. Froebelian.

B. Montessori.

C. Materials dealing with the co-operation of the home and kindergarten. Autumn, Winter and Spring. 10:00. Six hours credit. Assistant Professor Dusenberry.

24. Child Study and Stories.—A. The physical nature of the child and its relation to his mental development. Development of the underlying thought of Froebel's Mother Plays and working out of their application. B. Literature for the nursery, the Kindergarten and the primary grades. Autumn, Winter and Spring. 10:00. Six hours credit. Assistant Professor Dusenberry.

31. Elementary Training.—This course is designed to give practical work in grade teaching and management. Preliminary to teaching a period will be devoted to directed observation work in the Training School and to a careful consideration of the problem of plan making. Students will be given the opportunity to teach under the help and guidance of expert supervisors for a minimum of one hundred half-hour periods. In order that this experience may be of as high quality as possible frequent consultations will be held and constructive criticisms given. Students will be expected to recognize and apply the underlying principles of methods used and develop and express their own individuality in the practical work. Applicants for this course will be required to show that they have a knowledge of the fundamentals of grade work. Autumn, Winter, and Spring. Daily from 1:30 to 2:30, and another hour between 9:00 and 3:30 to be arranged with the director. Twelve hours credit. Associate Professor Poulson and Assistant Professors Olerton and Peterson.

35. Elementary School Tests.—A study of the movement in education towards measurement and standardization. A critical examination of various standard tests for elementary school subjects, and their value when used in measuring the work of the classroom. Practice will be afforded in giving and scoring tests in the grades of the Training School and interpreting results. Autumn, Winter or Spring. 10:00. Two hours credit. Professor Brown.

36. School Supervision.—Special study of the or-

ganization and supervision of education in the elementary grades and junior high school. Special attention to supervision of instruction to prepare principals and supervisors of special subjects. A review of school surveys, tests, and score cards for rating the ability of teachers and students. Opportunity will be given for practical work. Students who desire to prepare in supervision of special subjects will be referred to the respective departments. Spring. Four hours credit. Professor Brown and others.

SENIOR COLLEGE COURSES.

16.* **Science of Education.**—This course should be preceded by Psychology 11. A consideration of the fundamental problems of educational theory and practice; the aims, standards and content of education. A study of the principles determining educational values. A summary of the psychological investigations that have been made relative to the principal school subjects. The origin and present status of educational theory in the problems of liberal vocational education, vocational guidance, the doctrines of formal discipline and interest. This course must precede or be taken in connection with secondary training. Open to Seniors and Graduates. Winter. 10:00. Four hours credit. Professor Peterson.

17. **Vocational Education.**—Factors in the choice of occupation; methods in vocational counseling; the functions of the vocational counselor; the influence of vocational requirements on school programmes and method of teaching; duties and opportunities of teachers, school officers, parents, and others in vocational guidance. Spring. M., W., F. 9:00. Three hours credit. Professor Peterson.

37. **Secondary Training.**—Observation, study, planning of the methods of class management and instruction in department of the student's major line of work, followed by practice teaching under supervision, in the

University High School. Regular attendance at class lectures and individual consultation periods form a part of the course. A short period will be given to instruction in Library Technique. Open to Seniors and Graduates only. Daily, Autumn, Winter, or Spring at 1:30 or 2:30, for practic teaching, and 10:00 F. for lectures and consultation period. Four hours credit each quarter. Students who have taken elementary training ordinarily will not be required to work out more than the minimum requirement in Secondary Training. See announcement under High School Diploma. Taken in connection with or preceded by Education 16 and 66. Professor Peterson and Secondary Training Faculty.

46.* History of Education.—A discussion of the educational theories and practices of the Greek, Roman, and Medieval periods of history. Emphasis will be placed upon the following topics: the rise and growth of Christian education, the rise of universities, the Renaissance, the development of science and the scientific method, and the more recent and contemporary development of educational theory and practice. Knowledge of European History presupposed. Autumn. M., T., W., Th. 10:00. Four hours credit. Professor Peterson.

56.* School Organization and Administration.—The organization, administration and supervision of educational institutions and school systems, their relationship to each other and to social activities, their purposes and programs of study; the administration and supervision of schools in state, city and rural communities. The following topics will be considered: sources, apportionment and distribution of school revenues; units of control, equipment, the classification of pupils, and appointment of teachers. Duties, qualifications and functions of school officers. A critical study of important school surveys and school law. Course designed for teachers, principals, supervisors and superintendents. Open to Juniors, Seniors and Graduates. Winter. 9:00. Four hours credit. Professor Peterson.

66.* **Secondary Education.**—Discussion of the pedagogy of secondary school subjects, types of learning, individual differences, adolescence, courses of study, organization and management of secondary schools. This course should be preceded by Psychology 11 and Education 16. Open to Seniors and Graduates. Spring. 10:00. Four hours credit. Professor Peterson.

76.* **History of Philosophy.**—A general study of the development of European Philosophy beginning with Thales down to modern times. The course includes a critical analysis of the Greek, Roman, and Medieval periods, followed by the modern era from Descartes to Kant, ending with a survey of current theories in metaphysics and epistemology. Open to Seniors and Graduates. Autumn. 9:00. Four hours credit. Professor Peterson.

86.* **Educational Problems.**—Special research problems in the field of education will be assigned, or students may choose their own problem providing there is the proper material at hand to permit thorough investigation. The results may be embodied in a thesis. Open to Seniors and Graduates. Time to be arranged. Autumn, Winter or Spring. Two hours credit. Consult Professor Peterson before registering for the course.

DEPARTMENT OF ENGLISH.

Professor Osmond.

Professor Reynolds.

Associate Professor Pardoe.

Assistant Professor Jensen.

The purposes of the following courses are to develop the power of oral and written expression and to intensify the student's appreciation of good literature. No course is offered that does not tend to the realization of these two purposes.

11. Rhetoric and Composition.—Themes, lectures, and prescribed reading. Throughout the year. Nine hours credit. Section 1, M., W., F. 9:00. Professor Osmond.

Section 2, M., W., F., 8:00. Assistant Professor Jensen.

Section 3, M., W., F., 2:30. Assistant Professor Jensen.

Business English.—See Business English 31, in Department of Business Education.

15. Advanced Composition and Literature.—Long themes, conferences, and prescribed reading. Winter. 1:30. Four hours credit. Professor Osmond.

16. Advanced Composition and Literature.—A continuation of English 15. T., Th., 1:30. Two hours credit. Professor Osmond.

17. Short Story Writing.—An intensive study of the principles and technique of the short story. Special emphasis is given to writing the story form of composition. Four hours credit. Professor Osmond. (Not given in 1919-20.)

25. Anglo-Saxon.—The work of this course is based on Bright's Anglo-Saxon Reader. Four hours credit. Professor Osmond. (Not given in 1919-20.)

27. Philology.—The history and development of the English vocabulary. A comprehensive study of the ways of words and the development of English Grammar. Spring. 3:30. Four hours credit. Professor Osmond.

28. Chaucer.—In this course a number of the Canterbury Tales are read in class. The student is carefully drilled in Chaucer's pronunciation, and special attention is given to the interpretation of the text. Four hours credit. Professor Osmond. (Not given in 1919-20.)

35. **Shakespeare's Tragedies.**—An intensive study of three plays. Autumn. 10:00. Four hours credit. Professor Osmond.

36.. **Shakespeare's Comedies.**—An intensive study of three plays. Winter. 10:00. Four hours credit. Professor Osmond.

37. A study of Milton's minor poems and several books of *Paradise Lost*. Spring. 10:00. Four hours credit. Professor Osmond.

38. **Love and the Light.**—A study of O. F. Whitney's *Idyl of the Westland*. Four hours credit. (Not given in 1919-20.)

41. **The History and Development of the English Novel.**—Four hours credit. (Not given in 1919-1920.)

45. **The Romantic Poets.**—A study of the Romantic Poets from Wordsworth to Shelley. Spring. 10:00. Four hours credit. Professor Reynolds.

57. **Modern Continental European Drama.**—Autumn. T., Th., 4:30. Two hours credit. Professor Reynolds.

58. **Modern British Drama.**—Winter. T., Th., 4:30. Two hours credit. Professor Reynolds.

59. **Modern American Drama.**—Spring. T., Th., 4:30. Two hours credit. Professor Reynolds.

61. **The English Modern Novel.**—General reading and a critical analysis of representative novels. Autumn. 2:30. Four hours credit. Professor Osmond.

62. **The American Modern Novel.**—An intensive study of representative American Novels. Winter. 2:30. Four hours credit. Professor Osmond.

66. **Tennyson's Minor Poems.**—Autumn. M., W., F., 2:30. Three hours credit. Professor Reynolds.

67. **Tennyson's Major Poems.**—Winter. M., W., F., 2:30. Three hours credit. Professor Reynolds.

68. **Browning.**—Spring. M., W., F., 2:30. Three hours credit. Professor Reynolds.

71. **American Orations and American Renaissance Poets.**—Autumn. T., Th., 10:00. Two hours credit. Professor Reynolds.

72. **American Short Story and Novel.**—Winter. T., Th., 10:00. Two hours credit. Professor Reynolds.

ELOCUTION AND PUBLIC SPEAKING.

81. **Public Speaking.**—The elements of speech, proper carriage, principles of voice building and outlining of speeches constitute the major portion of this course. The overcoming of self-consciousness and ability to feel at ease is one of the most important problems developed to a profitable conclusion. Autumn, daily. Two hours credit. Time to be arranged. Associate Professor Pardoe.

82. **Public Speaking.**—The study of master-pieces. Briefing and vocabulary building will be given, in addition to further work and greater facility with the material of course 81. Winter, daily. Two hours credit. Time to be arranged. Associate Professor Pardoe.

83. **Public Speaking.**—An intensive application in writing and delivery of various kinds of speeches and orations, paying especial attention to setting, purpose and effectiveness. Much of the work of this course is planned for platform practice, extemporaneous and impromptu. Mastery of speech outlining necessary.

Religious topics and current events will constitute a

large portion of the subject material. Spring, daily. Two hours credit. Time to be arranged. Associate Professor Pardoe.

91. **Interpretive Literature.**—An intensive course in the study of methods of presenting dramatic masterpieces. Individual power of each student is accentuated, and the awkward, affected, self-conscious mannerisms are effaced. The relationship between life and literature is the chief text consulted. Methods of memorizing are developed, voice improved and an intelligent understanding of gesture is acquired. Practical psychology, a study of thought and emotions comprise the foundations of the course. The power of good expression is latent or developed in every individual—this class is given in order to overcome deterrent habits and to acquire an easy, sincere manner in the reflecting of one's thoughts and ideas.

The personnel of the class will greatly determine the subject matter. Autumn, Winter and Spring, daily. Two hours credit each quarter. Time to be arranged.

All three quarters are necessary for graduating credit, though any one period may be profitably taken. Associate Professor Pardoe.

DEPARTMENT OF FOREIGN LANGUAGES.

Professor Whitaker.

Instructor Jones.

FRENCH.

Reading, Conversation, Dictation.

11. **Elementary Course.**—Autumn, 9:00; Winter, 2:30. Five hours credit. Professor Whitaker and Instructor

12. Elementary Course.—Prerequisite, French 11. Winter, 9:00; Spring, 2:30. Five hours credit. Professor Whitaker and Instructor

16. Advanced Reading Course.—Reading of books and articles along students' major lines—Science, Architecture, History, Economics, Religion, Agriculture, etc.—for acquiring special vocabulary. Prerequisite, French 21. Autumn, Mon., Wed., Fri., 8:00. Three hours credit. Professor Whitaker.

Grammar, Pronunciation, Composition.

21. Intermediate Course.—Prerequisites, courses 11 and 12, or one unit. Autumn and spring, 10:00. Five hours credit. Professor Whitaker and Instructor

22. Intermediate Course.—Prerequisites: course 21, or two units. Autumn, 2:30; Winter, 10:00. Five hours credit. Professor Whitaker.

26.—Phonetics (Advanced).—For students preparing to teach, for foreign service, travel, missionaries, etc., drill on pronunciation. Prerequisite, course 22. Spring, 8:00. Five hours credit. Professor Whitaker.

27. Advanced Grammar.—Thorough study of French syntax, survey of historical grammar, verb drill, etc. Prerequisite, course 22 or two units. Autumn, daily 3:30. Three to five hours credit. Professor Whitaker.

History and Literature.

31. Advanced Course.—General survey of French Literature. Prerequisite, French 22 or two units. Spring, daily 9:00. Three to five hours credit. Professor Whitaker.

32. Advanced Course.—French history as related to literature. Prerequisite, French 22 or two units. Winter,

8:00 daily. Three to five hours credit. Professor Whitaker.

Novel.

41. **Origin and Development of French Novel.**—Prerequisite French 31 or 32. Autumn. Five hours. (Not given 1919-1920.)

42. **Modern French Novel.**—Prerequisite, French 41. Winter. Five hours credit. (Not given 1919-1920.)

Drama, Tragedy, and Comedy.

51. **Origin and Development of French Tragedy.**—Corneille. Racine. etc. Prerequisite French 31 or 32. Spring. Three hours credit. (Not given 1919-1920.)

51. **Origin and Development of French Comedy.**—Moliere and followers. Prerequisite, French 31 or 32. Spring. Tues., Thurs., 10:00. Two hours credit. Professor Whitaker.

SPANISH.

Grammar, Pronunciation, Dictation.

11. **Elementary Course.**—Autumn, 8:00. Five hours credit. Mr. Jones.

12. **Elementary Course.**—Winter, 8:00. Five hours credit. Mr. Jones.

Reading, Conversation, Composition, and Letter Writing.

21. **Intermediate Course.**—Emphasis on Commercial Spanish and Latin-American reading. Prerequisite 11 and 12 or one unit. Spring, 8:00. Five hours credit. Mr. Jones.

LATIN.

Grammar, Inflection, Conjugation.

11. **Elementary Course.**—Smith's "Latin Lessons" to lesson 25. Autumn, 3:30. Five hours credit. Professor Whitaker.

12. **Elementary Course.**—Smith's "Latin Lessons" to lesson 50. Winter, 3:30. Five hours credit. Professor Whitaker.

13. **Elementary Course.**—Smith's "Latin Lessons" complete, and easy Latin prose reading. Spring, 3:30. Five hours credit. Professor Whitaker.

DEPARTMENT OF GEOLOGY AND GEOGRAPHY.

Professor Buss.

11. **Introductory Geology.**—This course aims to present a general view of the field of Geology in its three important aspects: dynamic, structural, and historic. It is intended for those students who desire a brief survey of the field of earth science either for its cultural value or as an introduction to more detailed work in Geology or Geography. Winter. M., T., W., Th., 10:00. Laboratory F. at 3:30 to 5:30. Five hours credit. Professor Buss.

12. **Soil Geology.**—Intended especially for students in Agriculture. The course will cover a thorough study of the common rock-forming minerals; the common sedimentary, igneous and metamorphic rocks; the agents of weathering; and the varieties and nature of soils obtained by rock decay. Autumn. T., Th., F. at 2:30, and laboratory M., W. at 2:30 to 4:30. Four hours credit. Professor Buss.

19. **Structural Field Geology.**—A thorough course in the recognition and interpretation of rock structures and deformations with especial emphasis on the economic aspect as related to mining and petroleum operations. Introductory Geology is a prerequisite for this course. Spring. Tuesday 10:00, and six hours laboratory or field work each week. Three hours credit. Professor Buss.

21. **The Development of Continents.**—A course in historical geology with the continent of North America studied as the type example of development. Introductory Geology is a prerequisite for this course. Spring. M., W., F. at 10:00, and laboratory T. at 2:30 to 5:30. Four hours credit. (Not given 1919-20.)

31. **Water Resources.**—This course deals with problems of surface and underground water and the conditions for their successful development for domestic uses and irrigation. Autumn. Tuesday at 9:00 and laboratory or field work Tuesday at 2:30 to 5:30. Two hours credit. (Not given 1919-20.)

45. **Lithology.**—A study of the type rock-forming minerals and the most common rocks of the earth's crust. Each student must collect and mount a series of the ordinary rock varieties found near the school. Spring. Thursday at 10:00 and six hours laboratory or field work each week. Three hours credit. Professor Buss.

51. **Physiographic Agencies.**—This course deals with the principal agencies of change on the earth's surface; running water, waves, wind, ice, and weathering, with the topographic forms developed. Winter. M., W., F. at 1:30 and three hours of laboratory work T. and Th. at 3:30 to 5:30. Four hours credit. (Not given 1919-20.)

53. **Meteorology.**—A course on climate and weather with the study of the principles of weather forecasting. Autumn. T., Th. at 1:30 and one hour per week of observation. Two hours credit. (Not given 1919-20.)

55. The Distribution of Life—A study of the climatic and geographic control of plants and animals. The course applies particularly to the local distribution of life under the effects of altitude and slope exposure. Spring. T., Th. at 8:00 and three hours of laboratory or field work. Three hours credit. (Not given 1919-20.)

57. Physiography of Utah.—Deals with the present surface features of our state and how they came to be developed. Spring. M., W. at 8:00 and three Saturday field trips. Three hours credit. (Not given 1919-20.)

61. Commercial Geography.—Touches upon the geographic factors that control commerce and the underlying causes for the localizing of industries. Spring. Daily at 1:30. Five hours credit. (Not given 1919-20.)

DEPARTMENT OF HISTORY AND POLITICAL SCIENCE.

HISTORY.

Professor Jensen.

European History.

11. Early Medieval Period. A study of the later Roman Empire; Roman imperialism; reforms of Diocletian and Constantine; growth of Christianity; rise of the Papacy; barbarian invasions; break-up of the Roman Empire. Charlemagne and the Franks; feudalism and its results; conflict between the Papacy and the Emperors; rise and growth of Mohammedanism; the Crusades; rise of the universities; medieval institutions. This course is open to all students. It should be elected in the Freshmen year by all who intend to major in History, to be followed in the Winter Quarter by History 12, and in the Spring quarter by History 13. Autumn, 10:00. Four hours credit. Professor Jensen.

12. Later Medieval and Early Modern History. A study of the medieval Church; rise of national monarchies; medieval towns; trade and craft guilds; the Renaissance movement; the Protestant Reformation and the religious wars; the Counter-Reformation; English constitutional development under the Stuarts; the period of Louis the Fourteenth. Open to all students. Winter, 10:00. Four hours credit. Professor Jensen.

13. Later European History. A study of the old regime; the forces of revolution in Europe; the political and social movements during the 19th and 20th centuries. Open to all students. Spring, 10:00. Four hours credit. Professor Jensen.

17. The French Revolution and Napoleonic Period. An intensive and critical study of the causes, political movements, constitutional and social experiments of the French Revolution. A careful examination of the life and career of Napoleon Bonaparte and his influence on Europe. Autumn, 8:00. Four hours credit. Professor Jensen.

18. History of Europe since 1815. A study of the great movements of modern history with some attention to colonial and commercial rivalries. To conclude with a study of the World War and its results. Open to all students with necessary qualifications. Winter, 8:00. Four hours credit. Professor Jensen.

English History.

24. History of England to 1660. This course deals with the origins of English institutions, the struggle between Anglo-Saxons and Normans, the emergence of a strong government under William the Conqueror and Henry II, the parliamentary development of the 13th century, the Hundred Years War, the War of Roses, the preeminence of England under the Tudors, the struggle of the Divine Right Monarchy with the forces

of Puritanism. This course is open to all students and is especially valuable for students who are majoring in English. Winter. Four hours credit. (Not given 1919-1920.)

25. History of England since 1660. Emphasis will be placed on the Puritan revolution, the development of the Cabinet system, the wars with France, the Napoleonic struggles, the condition leading up to the American Revolution and the loss of the American colonies, the expansion of the British Empire, the political, religious, social, and economic reforms of the nineteenth century, the Irish Home-Rule question, and the present problems. Intended for all students and especially those majoring in English. Spring. Four hours credit. (Not given 1919-1920.)

American History.

31. American History to 1789. A study of the problems of discovery, exploration, and colonization; European conflicts for colonial possessions in America; causes, conflicts and results of the American Revolution; establishment of State governments; the "Critical Period" and its problems; the work of the Federal Constitutional Convention; ratification of the Constitution. Open to all students. Autumn, 1:30. Four hours credit, Professor Jensen.

32. American History 1789-1861.—The establishment of a national government; political theories of Federalists and Anti-Federalists; Jeffersonian democracy; the Second War with England; the "Rise of the New West;" formulation of the Monroe Doctrine; the Jacksonian "reign;" nullification; the Mexican War; economic, political, and moral phases of slavery. Winter, 1:30. Five hours credit. Professor Jensen.

33. American History Since 1861.—The problem of secession; military and economic history of the Civil

War; problems of reconstruction; civil service reform; the Far West; Spanish-American War; the Philippine question; industrial and social problems; diplomacy and foreign relations; political parties and party activities; participation in the World War. Spring, 1:30. Four hours credit. Professor Jensen.

37.* American Constitutional History to 1789.—A study of colonial institutions and the constitutional relations between the colonies and the mother country; the problem of British imperialism; constitutional theories and principles involved in the pre-Revolutionary struggles; the constitutional questions of the American Revolution; establishment of the State constitutions; problems of the Confederation; Federal Constitutional Convention; organization of the new government. Open to all with proper qualifications. Especially recommended for those who plan to study Law. Autumn. Four hours credit. (Not given 1919-1920.)

38.* American Constitutional History Since 1789.—A study of the constitutional questions involved in the Alien and the Sedition Acts; the Virginia and Kentucky Resolutions; the Hartford Convention; influence of Chief Justice Marshall; acquisition of new territory; constitutional problems connected with internal improvements; constitutional problems of slavery and expansion; Garrison's views of government; constitutional questions connected with the Civil War; the Amendments to the Constitution; constitutional theories of Calhoun; Hayne, Webster; governmental problems of reconstruction; constitutional problems of the new nation. Open to those with proper qualifications. Recommended for students intending to study Law. Winter. Four hours credit. (Not given 1919-1920.)

Current History.

45.* Current History. — This course continues throughout each quarter. It deals with problems of in-

terest in current history, economics, and political science. Each quarter, 3:30. Two hours credit; maximum credit, six hours. Professor Jensen.

POLITICAL SCIENCE.

Modern Government.

11. Government of the United States.—This course considers the American political system. The more important subjects studied are: American theories of popular government; historical development of American government; citizenship and alien status; suffrage; political party organization; doctrine of two spheres of power; constitution making; the national legislative, executive, and judicial departments; civil service reform; status of territories; foreign relations; a survey of State and local government. Open to all students. This course should be elected in the Freshmen year by all who intend to major in Political Science, who should also take courses 12 and 13. Autumn, 9:00. Four hours credit. Professor Jensen.

12. Comparative Constitutional Government.—A study of the organization and operation of the governments of England, France, Italy, Germany, former Austria-Hungary, Switzerland, the British self-governing colonies, and leading Latin American nations. Attention is also given to the new European revolutionary governments. Open to all students. Winter, 9:00. Four hours credit. Professor Jensen.

13. Political Parties and Party Government.—A study of the organization and methods of action of political parties in the United States; the development of the party system; convention and direct primary systems; permanent party organization; elements of cohesion in the party; theory of the party system; reform movements and measures. Some time is also devoted to a study of the party system in the leading European countries. Open to all students. Spring, 9:00. Four hours credit. Professor Jensen.

18.* **Government of American States.**—A study of the structure and functions of American State government. Among the subjects studied are the constitutional history of the States; the organization, powers, and activities of the legislative, executive, and judicial departments; the relations of the State to the local government. Particular attention is given to the State and local government of Utah. Spring, 8:00. Four hours credit. Professor Jensen.

19.* **Municipal Government.**—A study of municipal growth and development in the United States and in the principal European countries. Attention is given to municipal structure, organization, and administration. Among the subjects treated in their relation to municipal government are: The history of municipal growth, public health and safety, charities, education, public improvements, finances, home rule, politics, and municipal ownership. A valuable course for those who in the future may participate in municipal activities. Spring, 2:30. Four hours credit. Professor Jensen.

Political Theory.

25. **Principles of Political Science.**—This course aims to present a systematic study of the principles of political science. Among the subjects studied are: the scope and method of political theory; the origin and basis of the state; the nature of the state; forms of the state; functions of the state; sovereignty; forms of government; distribution of the powers of government; citizenship and nationality. This course should be taken by all students who are majoring in Political Science. Winter, 2:30. Four hours credit. Professor Jensen.

Law and Diplomacy.

35. **Elements of Law and Jurisprudence.**—An examination of the nature and binding force of law; sources and forms of the law; extension of Roman and English

legal systems; development of Common Law and Equity; the Common Law in American colonies and States; elements composing English and American law; classification of the law authorities and their interpretation. Brief attention will be given to the law of Contracts, Torts, Agency, and Criminal law. The course is non-professional in character. Recommended for those who desire a general knowledge of the Anglo-American legal system such as every layman should have, and especially for those students who are preparing to enter the legal profession. Open to all students. Autumn, 2:30. Four hours credit. Professor Jensen.

36.* International Law.—A study of the sources, principles, and sanctions of International Law. The course is devoted to a study of the history of International Law and the fundamental subjects of Peace, War, and Neutrality. Particular attention will be given to the important problems of law growing out of the World War, and to the modifications of International Law as a result of this war. A course useful for those who desire an understanding of international relations, and of the law governing such relations. Autumn. Four hours credit. (Not given 1919-1920.)

37.* American Diplomacy.—The course deals with diplomatic questions during the colonial period; boundary questions; neutral rights and obligations; fisheries; the Monroe Doctrine and its subsequent interpretation; Panama Canal questions; Spanish-American relations; acquisition of new territory; American diplomatic problems in the Pacific and the Far East; the peaceful settlement of international disputes. Some attention will be given to the methods and practices of diplomacy. Winter. Four hours credit. (Not given 1919-1920.)

In case of a request from a sufficient number of students the department is ready to offer the following additional courses in Political Science: Government of England;* History of Political Theory;* American Politi-

cal Theories; Administrative Law;* Constitutional Law of the United States.*

Students who desire to register for a pre-legal course of study with the view ultimately of entering the legal profession are invited to confer with the head of the Department. Advice will gladly be extended in all such instances.

DEPARTMENT OF MATHEMATICS AND PHYSICS.

Professor Eyring.

Professor Buss.

Instructor Marshall.

MATHEMATICS.

11. **Plane and Spherical Trigonometry.**—The study of the trigonometric functions of angles, the solution of triangles, trigonometric equations, and the theory and use of logarithms. The course is fully illustrated by practical problems. Winter, daily at 9:00. Freshman year. Five hours credit. Professor Eyring.

12. **College Algebra.**—A brief review of High School Algebra; the theory of the fundamental operations and the solution of conditional equations; method of undetermined coefficients; partial fractions; permutations and combinations; highest common factor; determinant graphs of equations of the first and second degree in two variables; and an introduction to Analytic Geometry. Winter, daily 9:00. Five hours credit. Professor Eyring.

13. **Analytic Geometry.**—A study of rectangular co-ordinates, straight line, circle, parabola, ellipse, hyperbola, transfer of co-ordinates, general equation of the second degree in x and y systems of conics, polar co-

ordinate, and co-ordinates in space. Freshman year. Spring, 9:00. Five hours credit. Professor Eyring.

14. Differential and Integral Calculus.—The study of functions and their graphical representation; differentiation, rate of change of a function; integration as anti-differentiation; simple differential equations; integration as the limit of the sum; definite integrals; expansion in series; indeterminate forms; partial differentiation; and multiple integration, with geometrical applications to areas and volumes and with mechanical application to attraction, moment of inertia, and centers of inertia. Autumn, Winter, and Spring, daily 10:00. Fifteen hours credit. Professor Eyring.

15. Definite Integrals.—The study of the properties and methods of computing definite integrals with application of Physics and Geometry. Byerly's Integral Calculus will be used as a text. Junior or Senior year. Autumn, daily at 8:00. Five hours credit. Professor Eyring.

16. Differential Equations.—The study of differential equations of the first order, linear differential equations, total and partial differential equations, with numerous applications to Physics. Junior or Senior year. Winter, daily at 8:00. Five hours credit. Professor Eyring.

17. Analytical Mechanics.—The general principles of mechanics; the statics and dynamics of particles, rigid bodies, and fluids. Spring, daily at 8:00. Five hours credit. Professor Eyring.

PHYSICS.

11. Elementary Physics.—This course is offered for freshmen who do not present Physics for entrance into college. Prerequisite, Algebra (a) Freshman year. Autumn, Winter, and Spring. Daily, 1:30 to 3:30. Twelve hours credit. Instructor Marshall.

12. **General College Physics.**—A general course presented mainly from the experimental point of view. Prerequisite courses: Physics 11 and Mathematics 11. Sophomore year.

16. **Mechanics and Sound.**—Autumn. Daily, 2:30 to 5:30. Five hours credit. Professor Eyring.

17. **Electricity.**—Winter. Daily, 3:30 to 5:30. Five hours credit. Professor Eyring.

18. **Heat and Light.**—Spring, 3:30 to 5:30. Five hours credit. Professor Eyring.

19. **Elementary Applied Physics.**—The first three courses are for young men who expect to enter the trades with but one year of college training. The last two courses are offered for students interested in the special work. Freshmen year. Three recitations and two two-hour laboratory periods per week. Prerequisites, two years high school Mathematics and preferably high school Physics.

21. **Elementary Applied Mechanics.**—A study of the lever, inclined plane, screw-jack, the equilibrium of forces, cranes, derricks, simple trusses; the transmission of power, inertia, and the influence of the fly-wheel; the elementary principles of hydraulics, etc. Autumn. Daily. Four hours credit. Time arranged with instructor. Professor Eyring.

22. **Elementary Applied Electricity.**—The principles of electricity and magnetism with applications to wiring, operation of motors, care of storage batteries, electrical illumination, etc. Winter. Daily. Four hours credit. Time arranged with instructor. Professor Eyring.

23. **Heat and Heat-Engines.**—A study of the elementary principles of heat, the properties of steam and

the study and operation of steam and gasoline engines. Spring. Daily. Four hours credit. Professor Eyring.

24. Optical Instruments.—A study of simple lenses, lens imperfections, and their correction; the microscope, telescope, projection apparatus and elementary photography. Two hours credit. (Not given 1919-20.)

25. Sound for Students of Music.—The principles of sound and a study of musical instruments. Two hours credit. (Not given 1919-20.)

38. Molecular Physics and Heat.—Kinetic theory of gases, theory of Brownian movements, methods of measuring molecular magnitudes, laws of thermodynamics and their application to gases, osmotic pressure, change of state, etc. Prerequisites, Calculus and Physics. Senior year. Autumn. Daily. Five hours credit. (Not given in 1919-20.)

39. Experimental Physics—Molecular Physics and Heat.—Measurements of specific heat of gases, density of depression of the freezing point, and raising of boiling point of the different solutions, etc. Vapors, viscosity of liquids and gases, high temperatures. Senior year. Prerequisite courses. Winter. Daily. Five hours credit. Laboratory fee, \$3.00. (Not given in 1919-20.)

45. Electricity and Magnetism.—General principles of magnetism, electro-magnetism, static electricity, direct and alternating currents. J. J. Thompson's "Electricity and Magnetism" will be used for reference. Prerequisites, Calculus and Physics 16, 17, 18. M. W. F. Autumn and Winter, 9:00. Six hours credit. Professor Eyring.

46. Experimental Physics, Electricity and Magnetism.—Use of potentiometers, adjustment and use of sensitive galvanometers, calibration of ammeters and voltmeters, accurate measurements of resistance, measurements of earth's magnetic field; absolute measure-

ments of current, potential difference, resistance, capacity; study of direct and alternating current, dynamos and motors; study of alternating current with capacity and inductance in the circuit. Prerequisites, Courses 16, 17, 18. T. and Th., Autumn, Winter, 1:30 to 3:30. Four hours credit. Laboratory fee, \$3.00. Professor Eyring.

57. Optics and Astrophysics.—Geometric optics, theory of optical instruments, including interferometer, echelon, and diffraction grating; physical optics, Maxwell's electro-magnetic theory of light. Spectroscopy and its application to astronomical problems. Prerequisite, two years college Physics and Calculus. Autumn, Winter, Spring. Daily. Fifteen hours credit. (Not given in 1919-1920.)

58. Experimental Optics.—Geometric optics, during the first part of the course experiments outlined in Mann's Manual of Advanced Optics will be performed, and during the last part special work with the echelon and concave grating will be given. Laboratory fee, \$2.00. Spring. Lecture Monday and Wednesday at 9:00 and laboratory T., Th. and F. from 1:30 to 3:30. Five hours credit. Professor Eyring.

66. Mechanics and Wave Motion.—Fundamental equations of Mechanics and their application to physical problems, vibrations of strings, rods, and plates, sound waves, water waves and Hertzian waves. Prerequisites, Calculus and Courses 16, 17, 18. Autumn, Winter. Time arranged with Instructor. Nine hours credit. Professor Eyring.

75. Laboratory Arts.—Glassblowing, frilling, grinding, and polishing; hard and soft soldering; silvering glass; and other miscellaneous processes connected with the construction and use of apparatus in the physical laboratory. Autumn. T. and Th., 3:30 to 5:30. Two hours credit. Professor Eyring.

76. History of Physics.—Designed to acquaint the prospective teacher of physics with the historical development of the subject. Winter, T. and Th. 9:00. Two hours credit. Professor Eyring.

77. Seminar.—A meeting of the instructors in physics and interested students for the review of current literature of the subject. No credit.

Students who major in physics have the following course prescribed:

Physics (16-17-18) (45-46-58) 38, 77.

Students who major in Mathematics have the following courses prescribed: Mathematics 11, 12, 13, 14, 15, 16.

ASTRONOMY.

11. Descriptive Astronomy.—A course that deals with the fundamental facts and laws of the science of the heavenly bodies. It is especially planned for those students who desire a course that shall introduce them to the larger concepts of nature and her laws. Autumn. Daily at 10:00 and one evening each week at the observatory. Five hours credit. Professor Buss.

DEPARTMENT OF MECHANICS.

Professor Eyring.

Professor Partridge.

Instructor Snell.

Instructor Higgs.

Instructor H. Anderson.

Instructor A. E. Anderson.

DRAFTING.

11. Mechanical Drawing.—Simple parts of machines drawn to scale. Blue printing, shading, free hand sketching and a scaling of simple machines to be drafted. Laboratory fee, 50 cents. Autumn, Winter, Spring. Daily 9-10 or 10-11. Six hours credit. Professor Partridge.

12. **Mechanical Drawing.**—Detailed and assembled drawings of machines with tracings and blue prints for actual construction. Laboratory fee, 50 cents. Autumn, Winter, Spring. Daily 9-10 or 10-11. Six hours credit. Professor Partridge.

21. **Instrumental Perspective.**—Principles [of perspective applied to drawings of steps, fences, barns and houses. Prerequisite, Elementary Drafting. Laboratory fee, 50 cents. Autumn, Winter, Spring. Daily, 9-10 or 10-11. Six hours credit. Professor Partridge

24. **Architectural Drawing.**—Making drawings of plans and detail work of all parts of a frame house. Working drawings, bracings and blue prints. Prerequisite, Drafting 21. Laboratory fee, 50 cents. Autumn, Winter, Spring. Daily 9-10 or 10-11. Six hours credit. Professor Partridge.

26. **Architectural Drawing, Continued.**—Detailed plans of a frame house, a brick house, a store, church or school house. Art 27 recommended as a parallel course. Laboratory fee, 50 cents. Autumn, Winter and Spring. Daily 9-10 or 10-11. Six hours credit. Professor Partridge.

WOODWORK.

31. **General Construction.**—This is a freshman course designed, (1) for the student who wishes training in the fundamental principles preparatory to pursuing this line of work; or (2) for the student who has had this training but wishes only a general course that will enable him to construct the simpler buildings, etc., in and around the home and farm, such as, gates, fences, and farm buildings. Attention given to individual needs. Five two hour recitations and two hours preparation. Laboratory fee, \$2.50. Students should have had or should be taking drafting as a parallel course. Autumn, Winter, and Spring. Daily 1:30 to 3:30. Three hour credit each quarter. Instructor Snell.

32. Cabinet Construction.—This course is designed to teach the principles of cabinet construction. After the problem is chosen, drawings and blue prints are submitted and the exercise is constructed to conform to these. Training is given in the use of modern wood working machinery. Woods commonly used in cabinet work are studied as to their adaptability and finishing qualities; veneering, inlaying, and hand polishing. Prerequisites, Design and Drafting. Art 26 is recommended as a parallel course. Five two-hour periods and two hours preparation. Laboratory fee, \$2.50. Autumn, Winter and Spring. Daily 1:30 to 3:30. Three hours credit each quarter. Instructor Snell.

36. Building.—Theory of building from the study of plans and buildings under construction. Practical problems in framing and saw filing. Stair construction and inside finish, and mortise work. Adz work introduced. Prerequisite, Drafting 24. Art 26 recommended as a parallel course. Five two-hour recitations, and two hours preparation. Laboratory fee, \$2.50. Autumn, Winter, and Spring. Daily 3:30 to 5:30. Three hours credit each quarter. Instructors Snell and Higgs.

39. Shop Work (Wood).—Under the direction of the instructor students may do advanced work, consisting of building, taking contracts of small buildings such as garages, granaries, and other frame structures. Furniture making and novelty work. Complete plans and material bills must be submitted and accepted before the student will be permitted to begin work. Five two-hour recitations and two hours preparation. Laboratory fee, \$2.50. Autumn, Winter, and Spring. One to three hours credit each quarter. Daily, 3:30 to 5:30. Instructor Snell.

IRONWORK.

61. Shop Work (Iron).—Agricultural implement construction. Wheelwright work. Five two-hour recitations a week. Laboratory fee, \$3.00. Autumn and Win-

ter. Daily 7:00-9:00 and 1:30 to 3:30. Three hours credit each quarter. Instructor Hans Anderson.

62. Shop Work (Iron).—Agricultural implement construction continued. Advanced tool construction. Grille work, iron fence, gates. Art 26 recommended as parallel course. Five two-hour recitations. Laboratory fee, \$3.00. Autumn and Winter. Daily 7:00-9:00 and 1:30-3:30. Three hours credit each quarter. Instructor Hans Anderson.

AUTO MECHANICS.

71. Construction and Repairing.—Principles of gasoline engine construction. Assembling, repairing, and lubrication of automobiles. Battery, ignition, and carburetor work. Five two-hour recitations and two hours preparation. Prerequisite, Elementary Physics. Drafting and Ironwork 61 are recommended as parallel course. Laboratory fee, \$5.00. Autumn. Daily, 9 to 11. Three hours credit. Instructor A. E. Anderson.

72. Lathe Work.—Cylinder boring and making pistons, piston rings, and automobile axles. Prerequisite, Elementary Physics. Recommendations, recitation preparation, and fee as in 71. Winter. Daily, 9 to 11. Three hours credit. Instructor A. E. Anderson.

73. Oxy-Acetylene.—Welding, cutting, brazing, soldering, and babbetting. Prerequisite, Elementary Physics. Recommendations, recitations, preparation and fee as in 71. Spring. Daily, 9 to 11. Three hours credit. Instructor A. E. Anderson.

81. The Gasoline Engine.—The course involves the study of the various types of gasoline engines, their construction, manipulation and adaptation of the various types of engines to specific work. Autumn. 2:30 daily. Three hours credit. Professor Eyring.

MUSIC DEPARTMENT.

Professor Reid.

Associate Professor Gudmundson.

Associate Professor Sauer.

Instructor Edmunds.

Assistant Nelson.

This department is organized to give students thorough training and instruction in the cultural, professional, and pedagogical phases of music.

As an accomplishment the student may elect any of the cultural courses and receive credit towards graduation from any of the high school or college courses.

The students who demonstrate natural talent, physical qualifications, power of application, and sufficient advancement through early training to justify a professional career will be advised and placed with teachers who will give them thorough training in their major subjects.

Pedagogical courses adapted to the needs of the private studio and public school supervision are provided and the normal students are trained to execute the plans of supervisors or in the absence of such to do efficient work in their own grades. Attention is called to the fact that much of our pedagogy is based on original developments that are far in advance of usual methods, have been thoroughly tested, and are being received with enthusiasm by experienced teachers.

A very important phase of the music student's advancement is the development of musical appreciation through hearing in an understanding way the musical literature of standard grade and quality. Through the advanced students of the department it is possible to organize combinations of string, voice, piano, reed, and brass that enable us to present chamber music, operatic selections; oratorio and opera arias, eight hand arrangements of symphonies, and with the large orchestra, band and chorus organizations, the complete symphony, the

opera and oratorio, and the overture. The school also arranges to have on the Lyceum course some first class artists and special engagements are made for the appearance of world renowned virtuosi when making their continental tours.

VOCAL ENSEMBLE.

11. Chorus. (Entrance examination required.)

Program music, anthems, cantata, oratorio and opera.

Autumn, Winter, Spring. Time to be arranged. One hour credit each quarter. Professor Reid.

Small groups.—Examination required.

16.—Ladies Trio. 17.—Mixed trio. 18.—Ladies quartette. 19.—Male quartette. 20.—Mixed quartette.

Autumn, Winter, Spring. Time to be arranged. One hour credit each quarter. Professor Reid.

INSTRUMENTAL ENSEMBLE.

21. Symphony Orchestra.—With this organization it is possible to keep the student in the best musical atmosphere. Representing the "Classic Era" a few of the composers we are playing from are: Haydn, Mozart, Beethoven and Schubert. Space here would limit us to but a few of the names of composers from our library representing the "Romantic" and "Modern" eras of music composition. This work is for the student who gives evidence of a desire for and ability to acquire artistic finish. Three hours are given to symphony and two to concerto accompaniment work. Students are not permitted to elect this until they have consulted the orchestra director. Daily, Autumn, Winter, Spring. One hour credit each quarter. Associate Professor Gudmundson.

22. String Chamber Music. Each ensemble group will practice twice each week and will be required to

play one full quartette each month in special chamber music recital. We have a complete library of this class of music; the best efforts of the great composers.

Inspirational work for ambitious students. Consult head of String Department before electing this course. Two hours a week. Autumn, Winter, Spring. Time arranged with instructor. One hour credit each quarter. Associate Professor Gudmundson.

23. Military Band. This organization gives students who are making preparation for professional or pedagogic work an opportunity to study band organization, military band music, and to perfect themselves in ensemble playing. Autumn, Winter, Spring. Time arranged with instructor. One hour credit each quarter. Associate Professor Sauer.

MAJOR MUSICAL COURSES.

31. Piano a-b-c-d. Advanced technic, repertoire, recital work, and the public rendition of a standard concerto from memory with orchestra, each college year. One lesson throughout the year. Four hours credit. Professor Reid, Miss Edmunds.

32. Voice a-b-c-d. The perfecting of vocal technic, repertoire, study of the difficult arias from oratorio and opera and the public performance each college year of some aria with orchestra. Operatic appearance will also be expected once during the college course. One lesson throughout the year. Three hours credit. Professor Reid.

33. Violin a-b-c-d. Students making violin their major will be required to render concertos, sonatos or classic equivalents in addition to acquiring knowledge of the instruments used in various string chamber music organizations and will be required to spend some time on the viola and cello in these organizations as well as orchestra. This work will be for the serious students who have

proved their ability and will be for a limited number only. Autumn, Winter, Spring. Time arranged with instructor. Three hours credit each quarter if majoring in violin, otherwise two hours. Associate Professor Gudmundson.

34. Cornet or Clarinet a-b-c-d. Students majoring in wind instruments will be required to render such solos, cadenzas, etc., as are found in difficult orchestral compositions. Autumn, Winter, Spring. Time arranged with instructor. Two hours credit each quarter. Associate Professor Sauer.

PEDAGOGICAL COURSES.

41. Conducting. (a) Chorus; (b) Orchestra; (c) Band. Autumn, Winter, Spring. One hour a week. One hour credit, each quarter. Professors Reid, Gudmundson, and Sauer.

42. Music Supervision. To prepare students to become supervisors and teachers in the grades and high schools. A technical knowledge of music and the ability to sing or play required. The course will deal with theory and methods of teaching, art of conducting, care of child voice and fundamentals in music. Winter. Time arranged with instructor. One hour credit. Professor Reid.

43. Piano Pedagogy. This course is for the training of piano students who are preparing to teach. The Reid Method for Beginners is the basic idea of this course and those taking it will be required to do some practice teaching. T. Th., Spring. Time arranged with instructor. One hour credit. Professor Reid.

THEORETICAL MUSIC COURSES.

51. Orchestration. Scoring for full orchestra from piano or organ arrangement and composition in score.

Contrast and color obtained through various instrument group combinations. M. W. Autumn, Winter, Spring. Two hours credit. Associate Professor Gudmundson.

52. Band Arranging. This course enables the band director to make arrangements to suit the grade and instrumentation of his band and to make available any musical material that might be needed. Autumn, Winter, and Spring. Daily. Two hours credit. Associate, Professor Sauer.

56. Harmony. Division 1. Modulation. A review and other forms. Extended works in Non-harmonic intervals. Embellished and Polyphonic. Embellishment of Harmony. Analysis.

Division 2. Vocal and Instrumental Harmony with an irregular number of parts. (Less or more than four.)

1st Section. Vocal Harmony—Three part—Two part—Eight part Harmony.

2nd Section—Instrumental Harmony. Figuration or broken Chords. (Accompaniments.) Harmonic Figuration. The Register of the Figural parts. Mixed (or melodic) Figuration One-part and two-part Figuration. Irregular or Indefinite part-writing. Figural motives. Rhythmic figuration. Double compound, complex, triple and quadruple figuration. Paraphrasing, or simple Variation. Autumn, Winter and Spring. Two hours of supervised work. M. W. Four hours credit, associate, Professor Gudmundson.

57. Harmony. Division 1. Composition. The Phrase—Harmonic equipment of the phrase-melody. The development or extension of the phrase. The Period-form. Extensions of group-formations.

Division 2. The Double-period. The Song-forms or Part-forms. Two-part, three-part. The incomplete—The Evolution of the Five-part. Irregular Part-forms. Song-form with one "trio." Conventional styles of composition. The Lyric Class. The Etude Class. The Dance

Class. Conclusion. Criticism. T. Th., Autumn, Winter, and Spring. Four hours credit. Associate, Professor Gudmundson.

FEES.

Private piano	\$40.00 and \$50.00 a year
Private voice	\$40.00 and \$50.00 a year
Private Violin	\$40.00 a year
Private cornet or other brass instruments	\$40.00 a year.

The above private work is apart from the school entrance fee.

DEPARTMENT OF PHYSICAL EDUCATION.

Professor Roberts.
Associate Professor Pardoe.
Instructor Eggertsen.

The purpose of the department is primarily to conserve the health and vitality of the students as well as to establish correct motor habits and to educate for wholesome efficient living. To offset the undesirable effects of sedentary school life, vigorous exercise in the form of games, gymnastics, and competitive athletics is offered. Instruction in personal and sex hygiene is given in connection with the exercise periods so that the students may have a knowledge basis for correct living.

A thorough physical examination will be given every new student upon entering the institution. This aims to give the instructors information as to the physical needs of the student, so that exercise can be prescribed intelligently.

All Freshmen are required to take Physical Education 11 and the other students are urged to engage in some form of physical exercise during their stay at the

University. Abundant opportunity is offered for participation in games, sports, hikes, gymnastics, athletics, and dancing.

Students who are found physically fit, and who display the necessary skill in competitive games and athletics will be given opportunity to represent the Student Body in inter-collegiate competition. During the period of active training and competition these activities may be substituted for the required work.

The department also offers professional courses which are designed to prepare teachers of physical education, directors of athletics, supervisors of dancing, and leaders in scout and "bee-hive" activities. Those students who complete all the professional courses may upon graduation, be given a special diploma in Physical Education. Students may also major or minor in Physical Education by doing the required amount of work.

11. Physical Exercise and Personal Hygiene. The work in this course is designed to improve the health, strength, and physical efficiency of the student, to develop good posture, correct bearing, and skill in various physical activities. Talks on care of teeth, eyes, ears, nose, throat, hygiene of exercise, bathing, diet, sleep, work, study and recreation will occupy part of the period on Fridays. Required of all Freshmen. Autumn, Winter, Spring. For men: Section 1, M. W. F. 4:30; Section 2, T. Th. F., 4:30; Section 3, T. Th., at 12:00 and F., at 4:30. Three hours credit. Professor Roberts and assistants.

For women; Section 1, M. W. F. 9:00; Section 2, T. Th. F., 3:30. Three hours credit. Instructor Eggertsen and assistants.

13. Social Dancing. Once each week an hour of social dance instruction will be given to all college students. W. at 5:30. No credit. Professor Roberts and Instructor Eggertsen.

16. Advanced Gymnastics. Pre-requisite Physical

Education 11. This course will include advanced work in formal gymnastics. Required of students majoring in Physical Education. Open to all. Autumn. M. W. and F. 3:30. One hour credit. Professor Roberts and Instructor Eggertsen.

17. Advanced Apparatus Gymnastics. Pre-requisite Physical Education 11. This course will deal mostly with advanced exercises in light and heavy apparatus gymnastics. Required of all students majoring in Physical Education. Open to all. Winter. M. W. and F., 3:30. One hour credit. Professor Roberts and Instructor Eggertsen.

18. Advanced Marching and Rhythmic Exercises. Pre-requisite Physical Education 11. This course will put emphasis upon advanced work in marching, both military and fancy, gymnastic dancing, and rhythmic exercises to music. Required of students majoring in Physical Education. Open to all. Spring, M. W. and F., 3:30. One hour credit. Professor Roberts and Instructor Eggertsen.

21. Physical Education for Grade Teachers. This course is designed to prepare for the supervision of physical exercise, games, plays, and dances in the eight grades of the public school. It will also deal with the common physical asymmetries to be found among school children, their detection, treatment, and prevention. A study will be made of school furniture and school work as to their effects upon the growing child. Plans for all the grades in corrective gymnastics, health exercises, coordination exercises, games and folk dances will be worked out under expert supervision and methods of teaching and directing these activities will be taught. Required of all Normals. Autumn, Winter, Spring. T. and Th., 3:30. One hour credit. Professor Roberts.

36. Play and Playground Supervision. This course will deal with educational, health, social, and physical de-

velopment values of play in the growth and education of children. Games and other recreational activities suitable for the different grades will be studied. Instruction will also be given in play supervision, organization of play activities, and playground equipment. Required of students majoring in Physical Education. Open to all. Autumn. Five periods per week. 2:30. Four hours credit. Professor Roberts.

37. Dancing and Social Supervision. This course is designed to prepare the physical director and play supervisor for larger social supervision in schools and communities. The instruction will cover the fundamentals of dancing technique, elementary, esthetic and folk dancing, and considerable emphasis will be put upon social dancing and its supervision. Required of all students majoring in Physical Education. Open to all. Winter. Five periods per week. 2:30, Four hours credit. Professor Roberts and Instructor Eggertsen.

38. Scoutcraft and Beehive Activities. This course will aim to prepare leaders in scoutcraft and "bee-hive" activities. The course will require considerable technical and practical work. Required of students majoring in Physical Education. Open to all. Spring. Five periods per week. 2:30. Four hours credit. Professor Roberts and Instructor Eggertsen.

46. Athletic Coaching and Directing. This course is designed to prepare students for active supervision and coaching of athletic activities. It will deal with athletic competition in all its phases: the training and conditioning of athletes, methods of conducting field meets, mass and group competition, etc. The women will be given instruction in the sports suitable for high school and college women. Required of all students majoring in Physical Education. Open to all. Autumn, Winter, Spring. Five periods per week, 4:30 or 5:30. One hour credit each quarter. Professor Roberts and Instructor Eggertsen

56. Gymnastic Kinesiology. Pre-requisite Physical Education 11, 16, 17, and 18. Biology 61 and 54. This course will take up the anatomy of the human body with special emphasis upon the study of bones, joints, and skeletal muscles. A careful examination of gymnastic and athletic exercises will be made with reference to their effect upon the function and structure of the body. A study of the physiology of exercise will also be made. Required of all students majoring in Physical Education. Open to all who have the pre-requisites. Autumn. Five periods per week. 10:00. Five hours credit. Professor Roberts.

57. Anthropometry, Physical Examination, and Elementary Therapeutics. Pre-requisites, Physical Education 11, 16, 17, 18, and 56; also Biology 61 and 54. This course will deal with the measurement and examination of children and older students, methods of detecting, treating, and preventing the common physical abnormalities. While but an elementary course in therapeutics can be given, it will be extremely helpful to all teachers, and absolutely necessary to those specializing in Physical Education. Required of major students. Open to all with the pre-requisites. Winter. Five periods per week. 10:00. Five hours credit. Professor Roberts.

58. Principles of Gymnastic Teaching. Pre-requisites, Physical Education 11, 16, 17, 18, 56, 57, and Biology 61 and 54. This course will deal principally with methods of gymnastic teaching, content of gymnastic periods, days' orders, methods of commanding, etc. It is aimed as a finishing course for students majoring in Physical Education. Spring. Five Periods per week. Five hours credit. Professor Roberts.

Secondary Training in Physical Education. Opportunity for practice in teaching in the various physical education courses will be given to Seniors majoring in Physical Education. (See Education 37.)

DEPARTMENT OF PSYCHOLOGY.

Professor Brimhall.

Professor Brown.

Associate Professor Poulson.

11. General Course in Psychology. Biology 62, a course designed to introduce the student to the fundamental facts concerning the nervous system, is a prerequisite to the study of general psychology. The latter course will introduce the student to the laws of human actions particularly those thought of as being primarily mental. An understanding of these laws should aid the student in controlling his own actions and the actions of others in an understanding manner. Winter; repeated Spring. 9:00. Four hours credit Professor Brimhall.

21. Educational Psychology. A study of the original nature of children and the function of education in modifying and directing their native responses. A review and verification of scientific experiments in the learning process and their application to school-room practice. Autumn 8:00 and 3:30; Winter, 9:00. Four hours credit. Laboratory fee, 50 cents. Professor Brown and Associate Professor Poulson.

26.* Advanced Educational Psychology. This course will deal with the facts and theories of the original nature or congenital equipment of human beings as a genus. Winter, 10:00. Four hours credit. Professor Brimhall.

27.* Advanced Educational Psychology. Psychology 26 is a pre-requisite to this course. The latter will be a study of the laws of learning, work, fatigue and individual differences. These two courses should be especially valuable to supervisors, principals and teachers in active service. Spring, 10:00. Four hours credit. Professor Brimhall.

36.* Experimental Psychology. The lectures in this course will outline the problems of psychology and the laboratory work will illustrate the methods used in investigating these problems. This course should serve as an excellent introduction to the study and understanding of the great variety of mental tests now used in the fields of applied psychology. Laboratory fee, \$1.00. Winter. Daily 1:30 to 3:30. Four hours credit. Professor Brimhall.

45.* Physiological Psychology. An intensive study of the nervous system and its correlation with mental phenomena. Winter or Spring, 3:30 to 5:30; four hours credit. Professor Brimhall.

55. Social Psychology. A study of the social instincts and their development. Modern social activity explained in terms of social instincts and learning. The field of abnormal psychology will be drawn on for matter illustrating individual differences in congenital equipment. Spring, 8.00. Three hours credit. Professor Brimhall.

EXTENSION DEPARTMENT.

The practice of extending the influence and benefit of College Training to persons desiring higher education who are unable to leave their life's work and enroll as regular students is becoming well established. The extension department is designed to meet these needs and also furnish an opportunity for regular students to complete unfinished courses and make up desired courses that they have been unable to complete on account of being called away from school. The work is done by the regular professors of the University and other affiliated teachers who are teaching in different parts of the state. The courses completed in extension

carry the same credit and may be used toward graduation the same as if completed in residence. Persons desiring to pursue courses either by an extension class or by correspondence should make a selection of their courses from the regular catalogue and confer with the director of extension as to registration. The regular catalogue will be mailed upon application, free.

EXTENSION CLASSES.

Where 10 or more students desire the same course, classes will be organized and the work pursued under the supervision of a member of the faculty.

CORRESPONDENCE COURSES.

These courses will meet the needs of individual students and will be directed and supervised through correspondence. When possible regular personal interviews will be held with the professor in charge.

REGISTRATION FEES.

All students taking extension work will be registered in the University and will pay a fee of \$10.00 for not to exceed 8 credit hours. Additional hours may be taken by special arrangements with the director.

FACULTY.

To met the increasing demand made upon the school, competent teachers in various parts of the state have been affiliated with the Church Teachers' College faculty, and during this year will offer courses for which college credit will be given.

James L. Brown, Director.

E. H. Smart.

Mazie Campbell.

The Regular College Faculty.

N. E. Noyes, Education. Snow Normal College, Ephraim.

R. Maeser, English. Murdock Academy, Beaver.

A. C. Peterson, English and Education. Gila Academy, Thatcher, Arizona.

A. C. Lund, Music. Salt Lake City, Utah.

Dr. Ray Hatch, Eugenics. Heber City, Utah.

H. A. Dixon, Education. Weber Normal College, Ogden.

George Romney, Education. Ricks Normal College, Rexburg, Idaho.

E. S. Romney, Education. Dixie Normal College, St. George, Utah.

Thomas Romney, Education. Knight Academy, Raymond, Canada.

University High School.

FACULTY.

- GEORGE H. BRIMHALL, B. Pd., D. Sc. D.,
JOSEPH B. KEELER, D. B., M. Ac.,
AMOS N. MERRILL, M. S.,
WILLIAM H. BOYLE, A. B., *Principal*
EDWARD H. HOLT, B. Pd., *Director of Business Courses.*
CLARE W. REID, *Director of Music Courses.*
ELBERT H. EASTMOND, B. Pd., *Director of Industrial Arts Courses.*
JOHN E. HAYES, *Bookkeeping and Commercial Arithmetic.*
N. L. NELSON, B. Pd., *English.*
ERNEST D. PARTRIDGE, B. S., C. E., *Agricultural Engineering.*
CHARLES E. MAW, M. S., *Chemistry.*
EUGENE L. ROBERTS, A. B., *Physical Education.*
C. W. WHITAKER, A. B., *Foreign Languages.*
EDWIN H. SMART, A. B., *Horticulture.*
VILATE ELLIOTT, B. Pd., *Domestic Art and Dressmaking.*
ROBERT SAUER, *Music.*
MOSES GUDMUNDSON, *Music.*
LOTTIE HARRIS, A. B., *Domestic Science.*
FRED BUSS, A. B., *Physiography.*
ARETTA YOUNG, B. Pd., *Art.*
J. MARINUS JENSEN, A. B., *English.*
HERALD R. CLARK, A. B., *Bookkeeping.*
HANS ANDERSON, *Ironwork.*
MAZIE CAMPBELL, A. B., *Domestic Art.*
WM. H. SNELL, A. B., *Woodwork.*
B. T. HIGGS, *Woodwork.*
MYRTLE HONE, *Typewriting and Shorthand.*
A. E. ANDERSON, *Auto-Mechanics.*
MARYLENE MAW, *Shorthand and Typewriting.*
MILTON MARSHALL, A. B., *Mathematics.*
HATTIE WRIGHT, A. B., *Domestic Science.*
ALGIE EGGERTSEN, A. B., *Physical Education.*
T. EARL PARDOE, *Oral Expression.*
LORIN JONES, *Spanish.*
ELMER NELSON, *Piano.*

ENTRANCE REQUIREMENTS.

Applicants for admission are admitted on certificate of graduation from the eighth grade, or by giving other evidence of ability to pursue the work.

GRADUATION.

Sixteen units of credit are required for graduation. The following are prescribed for the general high school course:

- English, three units.
- Science, two units.
- Mathematics, one unit.
- History and Civics, one unit.

ENTRANCE FEES.

For any course (except the business course) \$20.50

For the business course 37.00

The entrance fee includes the student activity fee, free admission to Lyceum Course, and the annual subscription to the White and Blue.

LABORATORY FEES.

(Payable at the beginning of each quarter)

Botany a-1-2-3.....\$1.00

Chemistry\$2.50

(A breakage deposit of \$3.00 must be made by each student. This deposit less the breakage is returned to the student at the close of the year.)

Domestic Science a\$2.00

Domestic Science b\$0.50

Domestic Science c\$2.00

Domestic Science d\$2.00

Domestic Art a\$0.50

Domestic Art b\$0.50

Domestic Art c\$1.00

Domestic Art d\$1.50

Drawing a-1	\$0.25
Drawing a-2	\$0.25
Drawing a-3	\$0.25
Drawing b-1	\$0.25
Drawing b-2	\$0.25
Drawing b-3	\$0.25
Design a-1	\$0.25
Design a-2	\$0.50
Design a-3	\$0.50
Wood work a	\$1.50
Woodwork b	\$2.00
Woodwork d	\$2.50
Ironwork	\$4.00
Needlecraft	\$0.50
Physiography	\$0.75
Physical Education	\$0.50
Zoology a-1	\$1.00
Physiology a-1-2-3	\$1.00

COURSES AND CREDITS.

A unit of credit, as outlined in the following tabulation of courses, stands for the equivalent of one forty-five-minute period of recitation and forty-five minutes preparation each day throughout the year. In courses where the number of periods of recitation per week is greater or less than this, the periods of preparation are lengthened or shortened, so as to compensate. The courses in the following tables are arranged according to years, but if the student has the prerequisite he may elect from any one of the four years. The amount of credit for which a student may register is four units, except by special permission of the head of the department.

TABLE OF COURSES AND CREDITS.

Autumn Quarter.

(All regular students are expected to register for the courses that are *in italics*.)

FIRST YEAR.

GENERAL HIGH SCHOOL COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology a-I</i>	5	.....	2/12
<i>English a-I</i>	5	.....	4/12
<i>Mathematics a-I</i>	5	.....	4/12
<i>Physiography a-I</i>	5	.....	4/12
<i>Elementary Agriculture a-I or</i>	5	.....	4/12
<i>General Science a-I</i>	5	.....	4/12
Electives:			
French a-1	5	.....	4/12
Dramatic Art a-1	2	.....	2/12
Physical Education a-1 .....		.....	1/12
Electives may also be chosen from other courses in the High School.			

INDUSTRIAL ARTS COURSE.

<i>Theology a-I</i>	5	.....	2/12
<i>English a-I</i>	5	.....	4/12
Electives:			
Domestic Art a-1	5	.....	2/12
Drafting a-1	5	.....	2/12
Drawing a-1	3	.....	2/12
Ironwork a-1 (Double period)	5	.....	4/12
Woodwork a-1	5	.....	2/12
Electives may also be chosen from other courses in the High School.			

MUSIC COURSE.	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology a-1</i>	5	.....	2/12
<i>English a-1</i>	5	.....	4/12
Singing a-1 (boys)	2	.....	1/12
Singing a-1 (girls)	2	.....	1/12
Solfeggio a-1	4	.....	3/12
Music History a-1	1	.....	1/12
Orchestra a-1	4	.....	2/12
Band a-1	4	.....	2/12

Private Instruction:

Piano (major)	1	.....	3/12
Piano (minor)	1	.....	2/12
Vocal	1	.....	2/12
Violin (major)	1	.....	3/12
Violin (minor)	1	.....	2/12
Wind Instruments (major) ..	1	.....	3/12
Wind Instruments (minor) ..	1	.....	2/12

Electives may also be chosen from other courses in the High School.

AGRICULTURAL COURSE.

<i>Theology a-1</i>	5	.....	2/12
<i>English a-1</i>	5	.....	4/12
Agriculture a-1	5	.....	4/12
Animal Husbandry a-1	3	.....	3/12

Electives may also be chosen from other courses in the High School.

SECOND YEAR. (Autumn)**GENERAL HIGH SCHOOL COURSE.**

<i>Theology b-1</i>	5	.....	2/12
<i>English b-1</i>	5	.....	4/12
<i>History a-1</i>	5	.....	4/12

Electives:

Dramatic Art a-1	2	.....	2/12
Botany a-1	5	.....	4/12
Mathematics b-1	5	.....	4/12
Spanish a-1	5	.....	4/12
French b-1	5	.....	4/12
Physical Education b-1	3	.....	3/12

Electives may also be chosen from other courses in the High School.

INDUSTRIAL ARTS COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology b-1</i>	5		2/12
<i>English b-1</i>	5		4/12
Domestic Art b-1	3	Drawing a-1	2/12
Domestic Science a-1	4		4/12
Drawing b-1	3	Drafting a	2/12
Drafting b-1	5		2/12
Design a-1 (boys)	3		2/12
Design a-1 (girls)	3		2/12
Ironwork b-1	5		4/12
Ironwork a-1	5		4/12
Woodwork b-1 (double period)	5	Drafting a-1	4/12

MUSIC COURSE.

<i>Theology b-1</i>	5		2/12
<i>English b-1</i>	5		4/12
Hymnology	5	Singing a	2/12
Harmony a-1	2	Solfeggio	2/12
Orchestra b-1	4		2/12
Band b-1	4		2/12
Private Instruction (same credit as first year)			

AGRICULTURAL COURSE.

<i>Theology b-1</i>	5		2/12
<i>English b-1</i>	5		4/12
Farm Mechanics a-1	5		4/12
Animal Husbandry b-1	2		2/12
Horticulture a-1 (Field Bot- any)	5		4/12

THIRD YEAR. (Autumn)

GENERAL HIGH SCHOOL COURSE.

<i>Theology c-1</i>	5		2/12
<i>English c-1</i>	5		4/12
<i>Physics a-1</i> or	5	Mathematics a	4/12
<i>Chemistry a-1</i>	5		4/12
Mathematics c-1	5		4/12
History b-1	5		4/12
French c-1	5		4/12
Latin a-1	5		4/12
Dramatic Art a-1	5		4/12

BUSINESS COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology c-1</i>	5	.....	2/12
<i>English c-1</i>	5	.....	4/12
<i>Bookkeeping a-1 or</i>	5	.....	4/12
<i>Shorthand a-1</i>	5	.....	4/12
Civics a-1	5	.....	3/12
Typewriting a-1	5	.....	2/12
Commercial Arithmetic a-1...	5	.....	4/12

INDUSTRIAL ARTS COURSE.

Drafting c-1	5	Design a	4/12
Domestic Science b-1	3	.....	3/12
Domestic Science b-2	3	.....	3/12
Domestic Science b-3	3	Design a-1	2/12
Drawing c-1	3	.....	2/12
Domestic Art c-1 (Dressmak- ing)	5	.....	3/12
Auto Mechanics a-1 (double period)	5	.....	4/12
Woodwork c-1 (double period)	5	Drafting	4/12
Ironwork a-1 (double period)	5	.....	4/12

MUSIC COURSE.

Chorus a-1	5	.....	2/12
Harmony b-1	2	Harmony a	2/12
Orchestra c-1	4	.....	2/12
Band c-1	4	.....	2/12
Private Instruction (Same credit as first year)			

AGRICULTURAL COURSE.

<i>Theology c-1</i>	5	.....	2/12
Physics a-1 or			
Chemistry a-1	5	.....	4/12
Zoology a-1	3	.....	2/12
Agricultural Engineering a-1.	5	.....	4/12

FOURTH YEAR. (Autumn)

GENERAL HIGH SCHOOL COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology d-1</i>	5	.....	2/12
<i>History c-1</i>	5	.....	4/12

Electives:

Latin b-1	5	.....	4/12
French d-1	2	.....	2/12
Poultry Craft	3	.....	3/12
Public speaking a-1	5	.....	4/12
Sociology a-1	5	.....	4/12
Physiology, Sanitation, Hy- giene a-1	5	.....	4/12

Electives may also be chosen from other courses in the High School.

BUSINESS COURSE.

<i>Theology d-1</i>	2	.....	2/12
<i>Bookkeeping b-1</i>	5	.....	4/12
<i>Shorthand b-1</i>	5	.....	4/12
Typewriting b-1	5	.....	2/12
Economics a-1	5	.....	3/12

Electives may also be chosen from other courses in the High School.

INDUSTRIAL ARTS COURSE.

<i>Theology d-1</i>	5	.....	2/12
History c-1	5	.....	4/12
Domestic Science c-1	4	Chemistry a	4/12
Domestic Science d-1	2	.....	2/12
Auto Mecahnics b-1 (double period)	5	Drafting b	4/12
Drafting d-1	5	Ironwork a	4/12
Needlecraft a-1	3	.....	2/12
Woodwork d-1 (double period)	5	Drafting d	4/12
Domestic Art d-1 (Fine sew- ing and textiles)	5	Domestic Art b-1	2/12
	5	Design recom'd.	4/12

Electives may also be chosen from other courses in the High School.

MUSIC COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
Chorus b-1	5	.....	2/12
Orchestral Instrumentation ..	2	Harmony	2/12
Band Instrumentation	2	Harmony	2/12
Orchestra d-1	4	.....	2/12
Band d-1	4	.....	2/12
Private Instruction (Same credit as First Year.) ..			

Winter Quarter.

FIRST YEAR.

GENERAL HIGH SCHOOL COURSE.

<i>Theology a-2</i>	5	.....	2/12
<i>English a-2</i>	5	.....	4/12
<i>Mathematics a-2</i>	5	.....	4/12
<i>Physiography a-2 or</i>	5	.....	4/12
<i>Elementary Agriculture a-2 or</i>	5	.....	4/12
<i>General Science a-2</i>	5	.....	4/12

Electives:

French a-2	5	.....	4/12
Dramatic Art a-2	2	.....	2/12
Physical Education a-2 .....		.....	1/12

Electives may also be chosen from other courses in the High School.

INDUSTRIAL ARTS COURSE.

<i>Theology a-2</i>	5	.....	2/12
<i>English a-2</i>	5	.....	4/12

Electives:

Domestic Art a-2	5	.....	2/12
Drafting a-2	5	.....	2/12
Drawing a-2	3	.....	2/12
Ironwork a-2 (double period)	5	.....	4/12
Woodwork a-2	5	.....	2/12

Electives may also be chosen from other courses in the High School.

MUSIC COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology a-2</i>	5	.....	2/12
<i>English a-2</i>	5	.....	4/12
Singing a-2 (boys)	2	.....	1/12
Singing a-2 (girls)	2	.....	1/12
Solfeggio a-2	4	.....	3/12
Music History a-2	1	.....	1/12
Orchestra a-2	4	.....	2/12
Band a-2	4	.....	2/12
Private Instruction:			
Piano (major)	1	.....	3/12
Piano (minor)	1	.....	2/12
Vocal	1	.....	2/12
Violin (major)	1	.....	3/12
Violin (minor)	1	.....	2/12
Wind Instruments (major)..	1	.....	3/12
Wind Instruments (minor)..	1	.....	2/12
Electives may also be chosen from other courses in the High School.			

AGRICULTURAL COURSE.

<i>Theology a-2</i>	5	.....	2/12
<i>English a-2</i>	5	.....	4/12
Agriculture a-2	5	.....	4/12
Animal Husbandry a-2	3	.....	3/12
Electives may also be chosen from other courses in the High School.			

SECOND YEAR. (Winter)

GENERAL HIGH SCHOOL COURSE.

<i>Theology b-2</i>	5	.....	2/12
<i>English b-2</i>	5	.....	4/12
<i>History a-2</i>	5	.....	4/12

Electives:

Dramatic Art a-2	2	.....	2/12
Botany a-2	5	.....	4/12
Mathematics b-2	5	.....	4/12
Spanish a-2	5	.....	4/12
French b-2	5	.....	4/12
Physical Education b-2	3	.....	3/12

Electives may also be chosen from other courses in the High School.

INDUSTRIAL ARTS COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology b-2</i>	5		2/12
<i>English b-2</i>	5		4/12
Domestic Art b-2	3	Drawing a	2/12
Domestic Science a-2	4		4/12
Drawing b-2	3	Drafting a	2/12
Drafting b-2	5		2/12
Design a-2 (boys)	5		2/12
Design a-2 (girls)	3		2/12
Ironwork b-2	5		4/12
Ironwork a-2	5		4/12
Woodwork b-2 (double period)	5	Drafting a	4/12

MUSIC COURSE.

Hymnology	5	Singing a	2/12
Harmony a-2	2	Solfeggio	2/12
Orchestra b-2	4		2/12
Band b-2	4		2/12
Private Instruction (same credit as First Year)			

AGRICULTURAL COURSE.

<i>Theology b-2</i>	5		2/12
<i>English b-2</i>	5		4/12
Farm Mechanics a-2	5		4/12
Animal Husbandry b-2	5		2/12
Horticulture a-2 (Field Bot- any)	5		4/12

THIRD YEAR. (Winter)

GENERAL HIGH SCHOOL COURSE.

<i>Theology c-2</i>	5		2/12
<i>English c-2</i>	5		4/12
<i>Physics a-2 or</i>	5	Mathematics a	4/12
<i>Chemistry a-2</i>	5		4/12
Mathematics c-2	5		4/12
History b-2	5		4/12
French c-2	5		4/12
Latin a-2	5		4/12
Dramatic Art a-2	5		4/12

BUSINESS COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology c-2</i>	5	.....	2/12
<i>English c-2</i>	5	.....	4/12
<i>Bookkeeping a-2 or</i>	5	.....	4/12
<i>Shorthand a-2</i>	5	.....	4/12
Commercial Law a	5	.....	3/12
Typewriting a-2	5	.....	2/12
Commercial Arithmetic a-2..	5	.....	4/12

INDUSTRIAL ARTS COURSE.

Drafting c-2	5	Design a	4/12
Domestic Science b-2	3	.....	3/12
Drawing c-2	3	.....	2/12
Domestic Art c-2 (Dressmak- ing)	5	.....	3/12
Auto Mecahnics c-2 (double period)	5	.....	4/12
Woodwork c-2 (double period)	5	Design a	4/12
Ironwork a-2 (double period)	5	Drafting	4/12

MUSIC COURSE.

Chorus a-2	5	.....	2/12
Harmony b-2	2	Harmony a	2/12
Orchestra c-2	4	.....	2/12
Band c-2	4	.....	2/12
Private Instruction (same credit as First Year)			

AGRICULTURAL COURSE.

<i>Theology c-2</i>	5	.....	2/12
Physics a-2 or			
Chemistry a-2	5	.....	4/12
Zoology a-2	3	.....	2/12
Agricultural Engineering a-2.	5	.....	4/12

FOURTH YEAR. (Winter)**GENERAL HIGH SCHOOL COURSE.**

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology d-2</i>	5	.....	2/12
<i>History c-2</i>	5	.....	4/12

Electives:

Latin b-2	5	.....	4/12
Poultry Craft	3	.....	3/12
French d-2	2	.....	2/12
Public Speaking a-2	5	.....	4/12
Sociology a-2	2	.....	2/12

Electives may also be chosen from other courses in the High School.

BUSINESS COURSE.

<i>Theology d-2</i>	5	.....	4/12
<i>Bookkeeping b-2 or</i>	5	.....	4/12
<i>Shorthand b-2</i>	5	.....	4/12
Typewriting b-2	5	.....	2/12
Economics a-2	5	.....	3/12

Electives may also be chosen from other courses in the High School.

INDUSTRIAL ARTS COURSE.

<i>Theology d-2</i>	5	.....	2/12
<i>History c-2</i>	5	.....	4/12
Domestic Science c-2	4	Chemistry a	4/12
Domestic Science d-2	2	.....	2/12
Auto Mechanics b-2 (double period)	5	Drafting b	4/12
Drafting d-2	5	Ironwork a	4/12
Needlecraft a-2	3	.....	2/12
Woodwork d-2 (double period)	5	Drafting d	4/12
Domestic Art d-2 (Fine sewing and textiles)	5	Domestic Art b-2	4/12
		Design recom'd	

Electives may also be chosen from other courses in the High School.

MUSIC COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
Chorus b-2	5	.....	2/12
Orchestral Instrumentation .	2	Harmony	2/12
Band Instrumentation	2	Harmony	2/12
Orchestra d-2	4	.....	2/12
Band d-2	4	.....	2/12
Private Instruction (same credit as First Year.)			

Spring Quarter.

FIRST YEAR.

GENERAL HIGH SCHOOL COURSE.

<i>Theology a-3</i>	5	.....	2/12
<i>English a-3</i>	5	.....	4/12
<i>Mathematics a-3</i>	5	.....	4/12
<i>Physiography a-3 or</i>	5	.....	4/12
<i>Elementary Agriculture a-3 or</i>	5	.....	4/12
<i>General Science a-3</i>	5	.....	4/12

Electives:

French a-3	5	.....	4/12
Dramatic Art a-3	2	.....	2/12
Physical Education a-3 .....		.....	1/12

Electives may also be chosen from other courses in
the High School.

INDUSTRIAL ARTS COURSE.

<i>Theology a-3</i>	5'	.....	2/12
<i>English a-3</i>	5	.....	4/12

Electives:

Domestic Art a-3	5	.....	2/12
Drafting a-3	5	.....	2/12
Drawing a-3	3	.....	2/12
Ironwork a-3 (double period)	5	.....	4/12
Woodwork a-3	5	.....	2/12

Electives may also be chosen from other courses in
the High School.

MUSIC COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology a-3</i>	5	.....	2/12
<i>English a-3</i>	5	.....	4/12
Singing a-3 (boys)	2	.....	1/12
Singing a-3 (girls)	2	.....	1/12
Solfeggio a-3	4	.....	3/12
Music History a-3	1	.....	1/12
Orchestra a-3	4	.....	2/12
Band a-3	4	.....	2/12

Private Instruction:

Piano (major)	1	.....	3/12
Piano (minor)	1	.....	2/12
Vocal	1	.....	2/12
Violin (major)	1	.....	3/12
Violin (minor)	1	.....	2/12
Wind Instruments (major) ..	1	.....	3/12
Wind Instruments (minor) ..	1	.....	2/12

Electives may also be chosen from other courses in the High School.

AGRICULTURAL COURSE.

<i>Theology a-3</i>	5	.....	2/12
<i>English a-3</i>	5	.....	4/12
Agriculture a-3	5	.....	4/12
Animal Husbandry a-3	3	.....	3/12

Electives may also be chosen from other courses in the High School.

SECOND YEAR. (Spring)**GENERAL HIGH SCHOOL COURSE.**

<i>Theology b-3</i>	5	.....	2/12
<i>English b-3</i>	5	.....	4/12
<i>History a-3</i>	5	.....	4/12

Electives:

Dramatic Art a-3	2	.....	2/12
Botany a-3	5	.....	4/12
Mathematics b-3	5	.....	4/12
Spanish a-3	5	.....	4/12
French b-3	5	.....	4/12
Physical Education b-3	3	.....	3/12

Electives may also be chosen from other courses in the High School.

INDUSTRIAL ARTS COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology b-3</i>	5		2/12
<i>English b-3</i>	5		4/12
Domestic Art b-3	3	Drawing a	2/12
Domestic Science a-3	4		4/12
Drawing b-3	3	Drafting a	2/12
Drafting b-3	5		2/12
Design a-3 (boys)	3		2/12
Design a-3 (girls)	3		2/12
Ironwork b-3	5		4/12
Ironwork a-3	5		4/12
Woodwork b-3 (double period)	5	Drafting a	4/12

MUSIC COURSE.

Hymnology	5	Singing a	2/12
Harmony a-3	2	Solfeggio	2/12
Orchestra b-3	4		2/12
Band b-3	4		2/12
Private Instruction (same credit as First Year)			

AGRICULTURAL COURSE.

<i>Theology b-3</i>	5		2/12
<i>English b-3</i>	5		4/12
Farm Mechanics a-3	5		4/12
Animal Husbandry b-3	2		2/12
Horticulture a-3 (Field Bot- any)	5		4/12

THIRD YEAR. (Spring)

GENERAL HIGH SCHOOL COURSE.

<i>Theology c-3</i>	5		2/12
<i>English c-3</i>	5		4/12
<i>Physics a-3 or</i>	5	Mathematics a	4/12
<i>Chemistry a-3</i>	5		4/12
Mathematics c-3	5		4/12
History b-3	5		4/12
French c-3	5		4/12
Latin a-3	5		4/12
Dramatic Art a-3	5		4/12

BUSINESS COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology c-3</i>	5	.....	2/12
<i>English c-3</i>	5	.....	4/12
<i>Bookkeeping a-3 or</i>	5	.....	4/12
<i>Shorthand a-3</i>	5	.....	4/12
Parliamentary Law a	5	.....	3/12
Typewriting a-3	5	.....	2/12
Commercial Arithmetic a-3..	5	.....	4/12

INDUSTRIAL ARTS COURSE.

<i>Theology c-3</i>	5	.....	2/12
Drafting c-3	5	Design a	4/12
Domestic Science b-3	3	.....	3/12
Drawing c-3	3	.....	3/12
Domestic Art c-3 (Dressmak- ing)	5	.....	3/12
Auto Mechanics a-3 (double period)	5	Drafting c	4/12
Woodwork c-3 (double period)	5	Design a	4/12
Ironwork a-3 (double period)	5	.....	4/12

MUSIC COURSE.

Chorus a-3	5	.....	2/12
Harmony b-3	2	Harmony a	2/12
Orchestra c-3	4	.....	2/12
Band c-3	4	.....	2/12
Private Instruction (same credit as First Year).			

AGRICULTURAL COURSE.

<i>Theology c-3</i>	5	.....	2/12
Physics a-3 or			
Chemistry a-3	5	.....	4/12
Zoology a-3	5	.....	2/12
Agricultural Engineering a-3.	5	.....	4/12

FOURTH YEAR. (Spring)

GENERAL HIGH SCHOOL COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
<i>Theology d-3</i>	5	.....	2/12
<i>History c-3</i>	5	.....	4/12

Electives:

<i>Latin b-3</i>	5	.....	4/12
<i>French b-3</i>	2	.....	2/12
<i>Sociology a-3</i>	2	.....	2/12
<i>ultry Craft</i>	3	.....	3/12
<i>Public Speaking a-3</i>	5	.....	4/12

Electives may also be chosen from other courses in the High School.

BUSINESS COURSE.

<i>Theology d-3</i>	5	.....	2/12
<i>Bookkeeping b-3 or</i>	5	.....	4/12
<i>Shorthand b-3</i>	5	.....	4/12
<i>Typewriting b-3</i>	5	.....	2/12
<i>Economics a-3</i>	r	.....	3/12

Electives may also be chosen from other courses in the High School.

INDUSTRIAL ARTS COURSE.

<i>Theology d-3</i>	5	.....	2/12
<i>History c-3</i>	5	.....	4/12
<i>Domestic Science c-3</i>	4	<i>Chemistry a</i>	4/12
<i>Domestic Science d-3</i>	2	.....	2/12
<i>Auto Mechanics b-3 (double period)</i>	5	<i>Drafting b</i>	4/12
.....		<i>Ironwork a</i>	
<i>Drafting d-3</i>	5	.....	4/12
<i>Needlecraft a-3</i>	3	.....	2/12
<i>Woodwork d-3 (double period)</i>	5	<i>Drafting d</i>	4/12
<i>Domestic Art d-3 (Fine sewing and textiles)</i>	5	<i>Domestic Art b-3</i> ..	2/12
.....		<i>Design recom'd</i> ..	4/12

Electives may also be chosen from other courses in the High School.

MUSIC COURSE.

	RECITATIONS PER WEEK	PREREQUISITES	CREDITS
Chorus b-3	5	.....	2/12
Orchestral Instrumentation ..	2	Harmony	2/12
Band Instrumentation	2	Harmony	2/12
Orchestra d-3	4	.....	2/12
Band d-3	4	.....	2/12
Private Instruction (same credit as First Year).			

Students

ADMITTED TO CANDIDACY FOR GRADUATION 1918-19.

MASTER DEGREES.

Cottam, Walter P. (Master of Science).....St. George
Jensen, Edgar M. (Master of Arts)Ephraim

BACHELOR OF ARTS DEGREE.

Hilton, Ianthus Richard Pleasant Grove
Lewis, John R. Sp. Fork
Morrell, Wm. Ernest Lovell, Wyoming
Rogers, Clara Snowflake, Arizona
Russell, Emma Dalton Springville
Snell, Earl B. St. Anthony, Idaho
Tracy, Aaron W. Ogden
Wunderly, Olga Provo

The following will receive their degrees upon completion of the requirements in Summer School:

Brimhall, Dicie Snowflake, Arizona
Bushman, Florence Snowflake, Arizona
Butler, David A. Eagar, Arizona
Clark, Heber D. Auburn, Wyoming
Clark, George Rulon..... Provo
Collings, Leah Paris, Idaho
Johnson, Willis Franklin Roosevelt
Kelly, Floyd Springville
Slack, Horace Roy..... Provo
Smith, Francis F. Redmond
Wright, Hattie A. Levan
Whiting, J. M. Mapleton
Wilson, Edith Midway

NORMAL DIPLOMAS.

Behunin, Vera	Ferron
Brown, Clarence L.	Ogden
Buckley, Pauline	Provo
Crawford, Edwin L.	Richfield
Probst, Clarence	Midway

The following will receive their diplomas upon completion of the requirements in Summer School:

Evans, Annette	Spanish Fork
Madsen, Nellie	Mt. Pleasant

NORMAL CERTIFICATES.

Anderson, Anna	Levan
Billings, Buenna	Jensen
Calder, Kathryn	Vernal
Duke, Violet	Provo
Healey, Alloween	Alpine
Jones, Norma	Idhi
Pickering, Tressa	Payson
Ritchie, Lacy	Charleston
Southworth, Alice	Springville
Tuttle, Vaughn	Manti

The following will receive their certificates upon completion of the requirements in Summer School:

Bryner, Belva	Price
Gines, Lila	Woodland
Hales, Ora	Deseret
Hansen, Printha	Richfield
Horsley, Elizabeth	Price
Phillips, Pauline	Provo
Thorne, Clinton R.	Pleasant Grove
Whitmore, Ellen	Springville
Wright, Millie	Charleston
Wood, Winnie	Vernal

Enrollment of Students.

GRADUATE STUDENTS.

Blizzard, Howard	St. Johns, Ariz.
Bond, Wm. J.	Heber
Campbell, Mazie	Heber
Jensen, Edgar M.	St. George
Knudsen, Milton H.	Provo
Larsen, B. F.	Provo
Snell, W. H.	Provo

SENIORS.

Bushman, Florence	Snowflake, Ariz.
Butler, David A.	Eagar, Ariz.
Clark, Heber D.	Auburn, Wyo.
Clark, Rulon	Provo
Collings, Leah	Paris, Idaho
Hilton, Eugene	Lehi
Hilton, I. R.	Pleasant Grove
Johnson, Frank	Roosevelt
Larson, Clinton	St. George
Lewis, John R.	Spanish Fork
Morrell, W. Ernest	Byron, Wyo.
Rogers, Clara	Snowflake, Ariz.
Russell, Emma Dalton	Springville
Smith, Francis F.	Willard
Snell, Earl B.	St. Anthony, Idaho
Wilson, Edith	Midway
Wright, Hattie A.	Levan
Wunderly, Olga	Provo

JUNIORS.

Crandall, Glen	Provo
Eyre, Floyd G.	Ft. Bridger, Wyo.
Gardner, Maggie	Provo
Hinckley, Afton	Hinckley
Holt, Florence	Provo
Litchfield, Wm. J.	Goshen

STUDENTS.

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Millett, Roy	Pleasant Grove
Newell, Helen	Provo
Sumsion, J. B.	Springville
Tuttle, Ray L.	Spanish Fork
Van Wagnen, Glen G.	Provo
Westover, Frantz H.	St. Joseph, Ariz.

SOPHOMORES.

Adamson, Milton J.	Pleasant Grove
Austin, Edith.	Idaho Falls, Idaho
Behunin, Vera	Ferron
Bench, Rees Ed.	Fairview
Bird, Elizabeth	Springville
Bond, Taylor	Heber
Boyack, Archie R.	Spanish Fork
Bunker, Cleone	Provo
Buckley, Pauline	Provo
Crawford, Edwin Louis	Richfield
Cutler, Fred W.	Springville
Dibble, Raymond	Mapleton
Eggertsen, Thelma	Provo
Higgs, DeLila	Provo
Johnson, Rose	Mapleton
Kelsey, Blaine	Springville
Maw, Marylene	Provo
Miner, Laurel	Fairview
Newman, J. B.	Pleasant Grove
Ogden, Ella	Provo
Oscarson, John	Pleasant Grove
Phillips, Alene	Provo
Phillips, Hannah	Springville
Probst, Clarence	Midway
Reynolds, Helen	Springville
Richards, Harry S.	Pleasant Grove
Robison, Bayard N.	Pleasant Grove
Smith, Sophronia	Snowflake, Ariz.
Talmage, Lucile.	Salt Lake City
Thatcher, Beatrice	Payson
Whiting, Fern	Mapleton
Young, Fern.	Huntington

FRESHMEN.

Anderson, Anna	Levan
Barnes, Frances E.....	Somerset, Colo.
Bartholomew, Fern	Fayette
Beck, Vernon L.....	Spanish Fork
Billings Buenna	Jensen
Bird, M. W., Jr.	Springville
Bond, Arthur	Heber
Bown, Lucile	Provo
Boyer, Lela	Springville
Bryner, Belva	Price
Bylund, Velma	Provo
Calder, Kathryn	Vernal
Carlile, Manilla	Heber
Cherry, Winona	Mt. Pleasant
Chipman, Elva	American Fork
Cox, Jean	Provo
Cox, Verona	Fairview
Crandall, Josephine	Springville
Crook, Alice	Heber
Davis, Roscoe	Benjamin
Duke, Violet	Provo
Ellsworth, Viola	Rigby, Idaho
Erickson, Amanda	Springville
Erlandson, Wendell	Payson
Evans, Anetta	Spanish Fork
Finley, Minnie	Springville
Gines, Lila	Woodland
Gudmundsen, Gene	Burley, Idaho
Hales, Ora	Deseret
Hansen, Laverne	Mapleton
Hansen, Printha	Richfield
Hawkins, Vivian	Benjamin
Healey, Alloween	Alpine
Hills, Cree	Provo
Holt, Leo	Spanish Fork
Holt, Reed	Provo
Horsley, Elizabeth	Price
Huber, Clara	Midway

Hutchings, Nellie M.	Springville
Jacobsen, Leonel	Provo
John, Lorenda	Provo
Johnson, A. Rex	Provo
Jones, Coquella	Fairview
Jones, Lyle	Provo
Jones, Norma	Lehi
Knight, Kenneth	Raymond, Canada
Langlois, Gladys	Burley, Idaho
Lewis, Edna	Provo
Loynd, Gladys	Springville
McKell, Lea	Spanish Fork
Madsen, Nellie	Mt. Pleasant
Miller, Vernessa	Parker, Idaho
Miner, Glen B.	Fairview
Mortensen, Emeline	Cleveland
Myrup, Edna	Gunnison
Nelson, Erven J.	Provo
Nelson, Hazel	Mesa, Ariz.,
Nelson, Josephine	Spanish Fork
Page, Anna	Payson
Paxman, Barbara	Provo
Peterson, Virgil	Huntsville
Phillips, Pauline	Provo
Pierce, Ernest R.	Gunnison
Pierce, Jessie	Springville
Pierce, Vesta	Gunnison
Pickering, Tressa	Payson
Ratcliffe, Helen M.	Provo
Reynolds, Birdella	Springville
Reynolds, Helen	Springville
Reynolds, Norma	Springville
Riggs, A. Frank	Hatch
Ritchie, Lacy	Charleston
Roberts, Phoebe	Goshen
Scott, Delillie	Provo
Southworth, Alice	Springville
Smith, Abbie	Springville
Starr, Grace	Springville
Stark, Henry M.	Spanish Fork

Storrs, Myrl	American Fork
Strang, Douglas M.	Spanish Fork
Stringham, Hazel	Rigby, Idaho
Strong, Le Roy H.....	Twin Falls, Idaho
Sumsion, Anna	Springville
Sumsion, Rhea	Springville
Thomas, Myra	Lehi
Thorne, Clinton R.	Pleasant Grove
Tuttle, Vaughn	Manti
Whitmore, Ellen	Springville
Willis, Cora	Manassa, Colo
Willis, Frank J.....	Cowley, Wyo.
Willis, Irene	Byron, Wyo.
Wilson, Ferneth	Cowley, Wyo.
Wood, Winnie	Vernal
Wright, Millie	Charleston
Young, Irene B.	Shelly, Idaho

EXTENSION STUDENTS.

Anderson, Emily	Pleasant Grove
Broadbent, Mrs. Violet L.....	Lehi
Bush, Emma	Pleasant Grove
Clark, Jenieve	Lehi
Cooper, Amy E.	Pleasant Grove
Cooper, H. Larene	Pleasant Grove
Davis, W. E.	Lehi
Dorton, Basil	Lehi
Gilchrist, Mrs. Iona	Lehi
Gleason, Mary	Pleasant Grove
Harper, Florence	Pleasant Grove
Holdaway, Edna	Provo
Jacobson, J. Alfred	Abraham
Larson, Geo. W.....	Pleasant Grove
Long, Lona	Lehi
McPherson, Jane	Nephi
Newman, Bessie	Pleasant Grove
Olpin, Bell	Pleasant Grove
Olpin, Cora	Pleasant Grove
Phillips, Eliza	Lehi

Powell, Mary	Lehi
Shipley, Lillie	American Fork
Steele, Jesse J.	American Fork
Thurman, Ida R.	Lehi
West, Viola	Pleasant Grove
Wright, Clifford L.	Pleasant Grove
Yates, A. L.	Lehi

SPECIAL STUDENTS.

Anderson, Anna G.	Provo
Anderson, Cordelia	Provo
Anderson, M. K.	Provo
Brimhall, Dicie	Snowflake, Ariz.
Carroll, Anna Russell	Provo
Clayton, Ruth P.	Provo
Cluff, Mary J.	Provo
Davis, Chas. H.	Provo
Elliott, Vilate	Provo
Gammell, Reed	Springville
Gee, Garda	Provo
Harmon, Mrs. J. M.	Provo
Hicks, N. C.	Provo
Crandall, Agnes L.	Provo
Crawford, Mrs. W. D.	Provo
Eggertsen, Mrs. Anna	Provo
Hone, Myrtle	Provo
Howe, Velma	Provo
Jacobson, Ernest	Heber
Jones, Veoma	Provo
Larson, Emma	Provo
McDonald, Mrs. J. H.	Provo
Mangum, Jennie K.	Provo
Markshuffe, Mrs. Ruth	Provo
Markham, Mary	Provo
Olson, Maurine	Provo
Pratt, Lyle C.	Springville
Roylance, Enid	Provo
Saxey, Eliz. M.	Provo
Smith, Francis F.	Willard

Snow, Pearl	Provo
Swenson, Priscilla	Provo
Thomas, Mrs. O. R.....	Provo
Vincent, Velma	Provo
Young, F. M.....	Provo

STUDENT ARMY TRAINING CORPS.

Aiken, Ursel V.	Mt. Pleasant
Allen, Owen	Taylor, Arizona
Allred, Clarence J.	Richfield
Anderson, Clair	Mt. Pleasant
Arthur, Vaughn	St. John
Baddley, Elmer R.	Salt Lake City
Bagley, Ellis Lynn	Koosharem
Baird, Abner H.	Provo
Baker, Milton Elsworth.....	St. John, Kansas
Ballard, Bert	Payson
Banks, W. Merrill	Ivins, Idaho
Baxter, Elwood	Pleasant Grove
Bayles, D. Lyman	Blanding
Beck, Earl A.	Spanish Fork
Bell, Leslie	Rexburg, Idaho
Bischoff, R. Kenneth	Lovell, Wyoming
Bown, Miles S.	Provo
Boyer, Harlan Wm.	Springville
Brockbank, Robt. I.	Sp. Fork
Brown, J. Lyman	Provo
Brown, Bird R.	Springville
Buckley, Ralph	Provo
Bunnell, Merrill J.	Provo
Bushman, Curtis J.	Snowflake, Arizona
Bushman, Bliss LeRoy	Provo
Bushman, Martin D.	Snowflake, Arizona
Cahoon, Raymond Spencer	Deseret
Carter, Albert T.	Provo
Chatwin, Alden H.	Provo
Church, Elwood D.	Burley, Idaho
Clark, Fred F.	Provo
Clove, Stanley	Provo

Cluff, Millard K.	Gilbert, Arizona
Collett, Karl W.	Roosevelt
Cottom, J. Milton	St. George
Coulam, Jos.	Pleasant Grove
Cowley, Edwin J.	Venice
Cox, Stanley	Fairview
Crandall, Grant L.	Provo
Crawford, Arthur L.	Enterprise
Crowther, Osmond	Provo
Curtis, Clyde	Payson
Dastrup, E. Byron	Provo
Day, Alvin	Fairview
Decker, Jesse Nathaniel	Snowflake, Ariz.
Dixon, Rulon	Provo
Dunn, Ralph C.	Provo
Edwards, J. Bernell	Charleston
Edwards, Clarence	Provo
Ekins, Grant	Provo
Evans, Frank	Spanish Fork
Ferguson, Wallace	Spanish Fork
Fish, Seymour P.	Woodruff, Ariz.
Fowers, Alfred	Provo
Gardner, Leonard	Hayden
Goodman, J. Russell.....	Provo
Graham, J. Arthur	Provo
Green, Seymour R.....	Menan, Idaho
Groesbeck, John R.	Springville
Hall, Herbert L.	St. George
Halladay, Wm. J.	Provo
Harding, Paul	Provo
Harris, J. Clifford	Payson
Harris, Franklin H.	Provo
Harris, Joseph Wm.	Manassa, Colo.
Henrie, Jas. V.	Panguitch
Hendrickson, Dwain C.	Glenwood
Hepworth, Geo. W., Jr.....	Rexburg, Idaho
Hinckley, Paul B.	Ogden
Hinckley, Rulon T.	Hinckley
Hoover, James LeRoy	Provo
Horrocks, Otis J.	Bennett

Hoyle, Carlisle B.	Parowan
Irvine, Ralstone R.	Provo
Jackson, Leon H.	Oasis
Jarvis, Joseph S.	St. Johns, Ariz.
Jarvis, William P.	St. Johns, Ariz.
Jennings, Lorenzo	Taylor, Ariz.
Jones, Earl E.	Provo
Jones, Chas. Mearle	Provo
Keeler, Ralph B.	Provo
Kearns, Arthur.	Springville
Kirk, Farrell	Pleasant Grove
Knudsen, William N.	Provo
Le Vitre, Robert	Provo
Losee, Wm.	Spanish Fork
Loveless, Elmer	Payson
Lundell, Harold	Benjamin
McArthur, Farnham	Lovell, Wyo.
McBeth, Leland	Payson
McCurdy, Howard E.	Springville
McConnell, John V.	Beaver
Mace, Ulyses Gordon	Santaquin
Marchbanks, Leo	Mapleton
Markham, Aldus	Provo
Mason, Paul	Parker, Ida.
Mathis, Gordon	St. George
Maxfield, A. Verle	Hinckley
Menlove, W. Leo.	Payson
Murdock, Paul B.	Heber
Neilson, Loren	Cowley, Wyoming
Noyes, Franklin L.	American Fork
Olpin, Joseph	Pleasant Grove
Orr, William W.	St. John
Page, Albert	Provo
Page, Earl	Payson
Palmer, Preston W.	Taylor, Ariz.
Payne, J. Elgie ...	Glenwood
Persson, Vernon L.	Payson
Petty, L. Dean	Deseret
Peterson, Nels L.	Deseret
Phillips, Thos. Victor	Springville
Powelson, Donnel E.	Provo

Pratt, Wilford T.	Hinckley
Pyper, LeRoy B.	Heber
Randall, Edwin Charles	Ogden
Randall, Lloyd	Idaho Falls, Idaho
Reeve, Fenton W.	Hinckley
Ross, Raymond	Provo
Sargent, Dewey.	
Savage, Arthur H.	Showlow, Ariz.
Shepherd, Evan A.	Levan
Shirley, Fred A.	Rexburg, Idaho
Slack, Ellis N.	Provo
Smith, Aiken	Snowflake, Ariz.
Smith, Henry A.	Snowflake, Ariz.
Solomon, Richard J.	Mesa, Arizona
Staker, Ernest V.	Mt. Pleasant
Stevenson, Carrol J.	Ephraim
Storrs, Norven L.	American Fork
Strong, LeRoy H.	Twin Falls, Idaho
Strang, Melvin	Twin Falls, Idaho
Strong, Walter	Payson
Sumsion, Earl B.	Springville
Swenson, J. Starr	Provo
Taylor, Elton LeRoy	Provo
Taylor, Lynn D.	Provo
Taylor, Marion R.	Provo
Taylor, Roy T.	Salem
Theobald, Arthur	Hinckley
Thomas, Wm. B.	Spanish Fork
Tolboe, Vernon	Provo
Tonks, Warren	Victor, Idaho
Van Wagoner, Leo	Midway
Walker, Harold S.	Pleasant Grove
Western, Jas. H.	Deseret
Willis, Byron L.	Snowflake, Ariz
Wilkinson, Ernest L.	Ogden
Williams, Fenton L.	Emery
Williams, Lloyd B.	Provo, R. F. D.
Willet, Geo. Ralph	Pleasant Grove
Wright, Ianthus	Hinckley
Young, Chas. Edwin	Provo

High School Students

ADMITTED TO CANDIDACY FOR GRADUATION 1918-1919

ACADEMIC DEPARTMENT.

Booth, Lorna	Provo, R. F. D.
Clayton, Miriam	Paris, Idaho
Curtis, Dora	Payson
Davies, Ruth	Provo
Edwards, Minerva	Provo
Eggertsen, Paul	Provo
Ellertson, Clarence	Mona
Farrer, Ramona	Provo
Farrer, Ethel	Provo
Francom, Elva	Payson
Hair, Delamar B.	Midway
Higginson, Ida	Knightville
Hills, Wm. Cree	Provo, R. F. D.
Hinckley, George	Provo
Hutchings, Albert S.	Springville
Isgreen, Ruth	Tooele
Jones, E. Earl	Provo
Kartchner, James A.	Provo, R. F. D.
Larson, Martha	St. George
Markham, Fred L.	Provo
Mortimer, Mary	Provo
Pierce, Jessie	Springville
Scorup, Veda	Provo
Smith, Lola	Springville
Snyder, Lucille	Blackfoot, Idaho
Taylor, Alice	Provo
Tanner, Lura	Fairview
Twede, Hazel	Payson

STUDENTS.

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Wanlass, Frank E.	Eureka
Williams, J. Stewart	Provo

BUSINESS DEPARTMENT.

Buckley, Ralph	Provo
Cheever, Grace	Provo
Ferguson, Orpha	Provo
Farrer, Ethel	Provo
Hawkins, Vivian	Payson
Isgreen, Joyce	Tooele
Page, Douglas	Provo
Paxman, Barbara	Provo
Perry, Orva	Byron, Wyo.
Phillips, Ruby	Provo
Reynolds, May	Springville
Roberts, Edyth	Provo
Taylor, Alice	Provo

INDUSTRIAL ARTS.

Anderson, J. Mercer	Provo
Edwards, Minerva	Provo
Johnson, Violet	Provo
Marshall, Della	Pima, Ariz.
Paxman, Barbara	Provo

MUSIC.

Millet, Roy F.	Pleasant Grove
Probst, Clarence	Midway
Woffinden, Frank B.	Manassa, Colo.

High School Enrollment.

FOURTH YEAR.

Adams, Effie	Blanding
Aird, Virginia	Provo
Allen, Wm. Eugene	Provo
Anderson, Mercer	Provo
Bagnall, J. Rodley	Chester
Baird, Chestina	Provo
Bee, Calvin	Provo
Beesley, Dorothy	Provo
Bean, Milo	Provo
Booth, Loena	Provo
Brimhall, Morgan	Mesa, Ariz.
Brown, J. Lyman	Provo
Cheever, Grace	Provo
Clark, Raymond	Provo
Clayton, Susanna	Paris, Idaho
Clove, Stanley P.	Provo
Cowan, Glenn	Payson
Crandall, Fred L.	Provo
Creer, Lenn A.	Provo
Creer, Alice	Spanish Fork
Curtis, Clyde	Victor, Idaho
Curtis, Dora	Payson
Davis, Boyd	Provo
Davis, Elfrida	Vernal
Davis, Mina	Vernal
Davies, Ruth	Provo
Dixon, Erma	Provo
Dixon, Maud	Provo
Dixon, Rhea	Provo
Dunn, Frank K.	Provo
Dunn, Vilate	Provo

Edwards, Minerva	Provo
Eggertsen, Paul	Provo
Ellertson, Clarence	Mona
Farrer, Ethel	Provo
Farrer, Ramona	Provo
Ferguson, Orpha	Provo
Foster, Louise	Provo
Francom, Elva	Payson
Glazier, Lyle	Provo
Graham, Howard	Provo
Hair, Delamar B.	Provo
Hansen, Paul W.	Tetonia, Idaho
Hardy, Warner	Blanding
Harrison, LeRene	Pocatello, Idaho
Higginson, Ida	Knightville
Hinckley, George E.	Provo
Horton, Forrest	Oakley
Huish, Alberta	Provo
Hutchings, Albert S.	Springville
Isgreen, Ruth	Tooele
Isgreen, Joyce	Tooele
Johnson, Violet	Provo
Jones, E. Earl	Provo
Kartchner, Jas.	Provo
Ketchum, Bessie	Cowley, Wyo.
Knudsen, Clyde	Provo
Larsen, Martha	Bloomington
Lisonbee, Sadie	Delta
Loose, Clarence C.	Provo
Ludlow, Agnes	Benjamin
McEwan, Alberta	Provo
McKenzie, Leland	Springville
Marshall, Della	Pima, Ariz.
Markham, Fred. L.	Provo
Maycock, Lawrence	Provo
Mayhew, Wayne E.	Duchesne
Millett, May	Pleasant Grove
Mortimer, Mary	Provo
Myers, Elsie	Provo
Nelson, Kenneth	Provo

Nilsson, Ed. L.	Bingham
Noakes, Emma	Springville
Ollorton, Sadie	Temple, Ariz.
Openshaw, Lynn D.	Provo
Page, Douglas	Provo
Perry, Orva	Byron, Wyo.
Phillips, Ruby	Provo
Powelson, Marion	Provo
Rees, Lewella	Wales
Reynolds, May	Springville
Roberts, Edith	Provo
Roundy, Amanda	Provo
Roundy, Clayton	Provo
Scorup, Veda	Provo
Selin, Edith	Benjamin
Shelly, Arthur	Provo
Smith, Lola	Springville
Snyder, Lucille	Blackfoot, Idaho
Stagg, Marie	Provo
Stark, Alice	Payson
Tanner, Lura	Fairview
Taylor, Elma	Provo
Taylor, Theodore M	Provo
Taylor, Alice	Provo
Taylor, Marion R.	Provo
Taylor, Henrietta	Provo
Twede, Hazel	Payson
VanWagenen, Rulon	Provo
Williams, Stewart	Provo
Wood, Frances	Minersville
Yates, Herbert	Provo
Young, John A.	Shelley, Idaho
Young, Ardis E.	Provo

THIRD YEAR.

Ahlstrom, Reva	Tropic
Ahlstrom, Verda	Tropic
Anderson, Alpha	Provo
Anderson, Anna E.	Levan

Anderson, Buena	Manti
Anderson, DeMar	Fairview
Anderson, Hugh C.	Fairview
Ashworth, Victor	Bingham
Bachman, Melba	Provo
Bagley, John C.	Granger, Wyo.
Bagley, Lorna	Provo
Bonnett, Orne	Provo
Beardall, Loeen	Springville
Beck, Gerald	Gunnisson
Birch, Vivian	Silver City
Bird, J. LaMar	Provo
Brunner, Pauline	Provo
Buckley, Lucile	Provo
Butts, Lila	Bluffs
Candland, Helen	Provo
Cardall, Claud	Provo
Cardall, Loris B.	Provo
Chipman, Leah	American Fork
Christensen, Carl J.	Provo
Christensen, Erma	Provo
Christensen, Virginia	Manti
Clark, Phyllis	Farmington
Cook, Clifford	Provo
Collins, Wendell	Provo
Crandall, Fern	Springville
Davis, Ida	Benjamin
Donaldson, Lola	Provo
Durrant, Leona	Provo
Dyer, Wesley	Alamosa, Colo.
Ekins, Leland	Provo
Ellis, Delphia	Provo
Farrer, Edith	Provo
Frandsen, Loyal	Redmond
Gardner, Reed S.	Provo
Gee, Leland	Provo
Greer, Thelma	Provo
Groneman, Lynn	Provo
Gudmundson, Stanley	Lehi
Hair, Berlyn	Provo

Hair, Margarette	Provo
Hales, Hulda	Deseret
Harding, Ortho L.	Provo
Harris, Richard	Provo
Harris, Mory	Provo
Haws, Amanda	Provo
Heaton, Gerald F.	Orderville
Hedquist, Fred	Provo
Hedquist, Edith	Provo
Heiselt, Delbert	American Fork
Henry, Raymond F.	Victor, Idaho
Holbrook, W. Kenneth	Ogden
Horne, Weiler	Mesa, Ariz.
Horton, Grace	Oakley
Huish, Ione	Provo
Huish, Walter H.	Spanish Fork
Huish, Thelma	Provo
Hurst, Effie	Provo
Jacobson, Susie	Provo
Jackson, Rulon	Oasis
Jarman, Irma	Pleasant Grove
Jensen, Idena	Ft. Green
Jepperson, Marguerete	Provo
John, Isaac	Provo
Johnson, Ben. R.	Payson
Johnson, Cassie M.	Payson
Johnson, Fern	Provo
Johnson, Isis	Provo
Johnson, Inez	Benjamin
Jones, Donna	Provo
Jones, Iva	Provo
Kerr, Ralph	Provo
Keeler, Daniel M.	Provo
Killpack, Gwendolyn	Ferron
Kirkhuff, Helen	Provo
Knudsen, Harold R.	Provo
Lee, Clyde B.	Kimberly, Idaho
Lisonbee, Cleo	Provo
Lott, Golda G.	Provo
McCoy, Ethel	Provo

McEwan, Louise	Provo
Madsen, Jesse	Provo
Manquiry, Norma	Provo
Marshall, Goldwin	Minersville
Matthews, Elmer R.	Somerset, C. lo.
Merrill, Amos Lyman	Provo
Meservy Helen	Provo
Miller, Eunice	Parker, Idaho
Murdock, Nell	Provo
Nelson, Bennion	Provo
Nelson, Joseph C.	Provo
Newell, Florence	Provo
Nelson, Sam B.	Mesa, Ariz.
Nelson, Ivy	Ft. Green
Nuttall, Albert	Provo
Nuttall, Eldon R.	Provo
Oakley, Leah	Provo
Odekirk, Doris	Myton
Ogden, Etta	Provo
Olson, Gertrude	Provo
Olson, Christa	Fairview
Olson, Roland	Provo
Osmond, Harvard	Provo
Partridge, Rulon	Provo
Peay, Marian	Provo
Peterson, Florence	Provo
Peterson, Lucile	Benjamin
Phillips, Helen	Provo
Pierpont, Vilate	Provo
Poulton, Caroll	Provo
Ray, Fred	Provo
Rees, Luella	Wales
Richan, Raymond	Eureka
Roberts, Clinton	Provo
Robison, Joseph S.	Provo
Russell, Frank I.	Eureka
Scott, Loren	Provo
Searle, Marie	Provo
Slack, Irvin	Provo
Smith, Ella	Provo

Smith, Beatrice	Provo
Snow, Wm. J., Jr.	Provo
Snyder, Essie	Provo
Spafford, Harold	Provo
Staley, Jesse	Provo
Stowell, Iris	Provo
Stevens, Vera	Ferron
Strong, Ervin	Provo
Sutton, Yolande	Price
Taylor, Pearl	Provo
Taylor, Ruby	Provo
Thatcher, Clifton	Provo
Thomas, Mamie	Provo
Thomas, Harlon	Provo
Thurman, Neal C.	Provo
Tolboe, Clifton A.	Provo
Vincent, Glen	Provo
Wakefield, Homer	Provo
Wanlass, Frank E.	Eureka
Winters, Marjorie	Mt. Pleasant
Witt, Pearl	Heber

SECOND YEAR.

Allen, Knight	Provo
Andelin, L'Etrenne	Provo
Anderson, Allen	Provo
Anderson, Elfie	Provo
Anderson, Olive	Salt Lake City
Anderson Gwendolyn	Fairview
Anderson, Robert	Provo
Baird, Ruby	Provo
Banks, Louisa	Provo
Bateman, Atha	Provo
Black, Clinton	Provo
Bradford, Wendell	Spanish Fork
Buckley, Ruth	Provo
Bunnell, Elva	Provo
Buttle, William	Provo
Bushman, LaRelle	Provo

Bylund, Floyd	Provo
Carlisle, Benj. F.	Alpine
Carter, J. Norman	Provo
Cassity, LaRue	Provo
Child, Donna	Murtaugh, Idaho
Christensen, Elaine	Manti
Christensen, Nephi	Provo
Clark, Marvel	Provo
Clark, Melba	Pleasant Grove
Cluff, Bernice	Provo
Conover, Wilson	Provo
Crandall, Rilla	Springville
Crawley, Loraine T.	Provo
Crosbie, Elva	Provo
Dangerfield, Royden	Provo
Davis, Blanche	Provo
Davies, Rita M.	Provo
Dayton, Florence	Heber
Dusenberry, Kelly	Provo
Ekins, Leland	Provo
Evans, Olva D.	Provo
Eyre, Golden	Minersville
Farnsworth, Margaret	Provo
Foote, Norma	Provo
Gardner, Howard B.	Lund, Nev.
George, DeVere	Escalante
Gillins, Delmer	Minersville
Goodman, Ruth	Provo
Griffin, Mildred	Escalante
Guymon, Glen	Provo
Hafen, Fred	Springville
Hammond, Frank	Provo
Hansen, Florence	Provo
Hansen, Devere	Provo
Hanson, Lester	Roosevelt
Harding, LeRoy	Provo
Hatch, Victor	Provo
Hatton, Beuloh	Provo
Heaton, Maude	Orderville
Heder, G. Roland	Mesa, Ariz.

Hodson, Ethelyn	Provo
Holbrook, Raymond B.	Provo
Holbrook, Rachel	Provo
Holt, Golden	Sandy
Hortin, Glen	Oakley
Hurst, Viola	Provo
Irvine, Dorothy	Provo
Jackson, Alda	Parker, Idaho
Johnson, Celestia	Provo
Johnson, Vera	Benjamin
Jolley, Ethel	Provo
Jones, Harlow	Provo
Jones, Gilbert	Provo
Jones, Verna	Provo
Knudsen, Hilda	Provo
Knudson, Leland	Lehi
Lambert, Arvil	Kamas
Lewis, Eva	Provo
Ludlow, Thelma	Benjamin
McGarry, J. Harper	Beaver
McKell, Vernon	Spanish Fork
McQuarrie, Alice	Wallsburg
Manson, Hunter	Provo
Maw, Carlyle E.	Provo
Mayhew, Melvin	Duchesne
Millett, Leonard	Mesa, Ariz.
Mix, Christa	Provo
Morgan, Stanley D.	Provo
Naylor, Gladys	Provo
Nicholson, Thelma	Provo
Nielsen, Ralph	Provo
Olson, Randall	Lovell, Wyo.
Osmond, Waldo	Provo
Page, LaVerne	Provo
Partridge, Truman	Provo
Peay, Edwin	Provo
Penrod, La Var	Provo
Perry, Reva	Provo
Peterson, Verna	Moapa, Nev.
Peterson, Lea	Moapa, Nev.

Phillips, Earl A.	Provo
Pierpont, Margaret	Provo
Pratt, Lawrence	Provo
Price, Rintha	Charleston
Prows, Elva	Provo
Pulsipher, Charles Clyde	Provo
Pyne, Mark	Provo
Rawson, Leland	Carey, Idaho
Redford, Algernon	Provo
Reynaud, Chas.	Provo
Reid, Robert L.	Provo
Richards, Thos. H.	Provo
Richardson, Helen	Provo
Richardson, Ruth	Provo
Roberts, Mable	Provo
Robbins, Grace	Provo
Roundy, Fern	Provo
Samson, Agnes.	Provo
Scorup, La Verd	Provo
Sanderson, Rees	Fairview
Seamount, Gladys	Provo
Simmons, Marcellus	Provo
Skenson, Dan D.	Mesa, Ariz.
Smith, Ruth	Provo
Snow, Ida	Provo
Snyder, Birdie	Provo
Stein, Gertrude	Provo
Stevens, Kate	Burnt Fork
Stevenson, Della	Provo
Stoddard, Lillian	Provo
Stubbs, Mabel	Provo
Styler, Velva	Oasis
Swenson, Reed K.	Provo
Tolboe, Clarence	Provo
Tanner, Iona	Payson
Taylor, Henry D.	Provo
Taylor, Leo W.	Provo
Taylor, Victor R.	Provo
Tew, Burton	Mapleton
Thomas, Zella	Provo

Tucker, Hosmer R.	Jackson, Wyo.
Vance, Bernice	Provo
Van Wagoner, Blanche	Midway
Van Wagoner, Boyd	Midway
Van Wagoner, Arthur	Midway
Wakefield, Perry	Huntington
Warnick, Leland	Provo
Williams, Inez	Provo
Wilson, Eugene	Provo
Yates, James J.	Provo
Young, Ivan	Huntington

FIRST YEAR.

Abbott, Fay	Duchesne
Ahlstrom, Gwendolyn	Ophir
Allen, Lester	Provo
Andelin, Delice	Provo
Anderson Ruby	Salt Lake City
Armitstead, Ruth	Provo
Ashby, Lola	Provo
Banks, Melvin	Bancroft, Idaho
Bandy, Norma	Provo
Baum, Mildred	Provo
Bayles, De Lyman	Blanding
Bean, Marcus	Provo
Bench, Dean W.	Fairview
Biddulph, Rulon	Provo
Bird, Vaughn	Provo
Booth, Verdell	Provo
Bonnett, Laura	Provo
Boshard, Viola	Provo
Boyd, Sadie	Provo
Boyle, Melva	Provo
Brailsford, Erwin	Springville
Broadbent, Berne	Provo
Brown, Reta	Duchesne
Buckley, Albert	Provo
Buxton, Lorin	Provo
Carbine, Joseph	Jerome Jct., Ariz.

Cardon, Edith	Tucson, Ariz.
Cheever, Tirzah	Provo
Child, Bessie	Murtaugh, Idaho
Christen, Nephi V.	Sunnyside
Choules, George	Provo
Church, Wells	Escalante
Clark, Ireta	Monroe
Cluff, Vera	Provo
Cluff, Marguerite	Provo
Corbeth, Don	Provo
Crandall, Camille	Provo
Cravens, Wm.	Payson
Crawford, Feneth	Sunnyside
Davies, Fawn	Provo
Dastrup, Thora	Provo
Dayton, Fera B.	Heber
Decker, Afton	Bluff
Dixon, Vernon	Provo
Dotson, J. Norman	Provo
Duke, Gerald	Provo
Durrant, Clarence	Provo
Durrant, Dona	Provo
Dusenberry, Arthur	Provo
Eckersley, Abraham Cleworth	Loa
Edwards, Maud	Provo
Ekker, Pearl	Provo
Ellis, Merlin S.	Bountiful
Ellertson, Lila	Provo
Elliker, Pearl	Enterprise
Ewell, Merling	Provo
Fechser, Kenneth	Provo
Flygare, Thelma	Provo
Fullmer, John F.	Mountain Home
Fullmer, Chas. C.	Mountain Home
Furner, Sarah	Provo
Garn, Mary	Cedar Valley
Gibson, Emmet	Latuda
Gifford, Grace	Carey, Idaho
Giles, J. Francis	Provo
Gilmer, Clarence	Provo

Goodman, W. Burt	Provo
Gudmundson, Leona	Provo
Hair, Donetta	Provo
Hansen, Leona	Benjamin
Hansen, Leo	Provo
Harding, Afton	Provo
Hasler, Calvert	Provo
Hedquist, Victor	Provo
Henrie, Joy	Provo
Hoover, Kenneth	Provo
Hunt, Dessie	Enterprise
Huntsman, Nina	Enterprise
Hughes, Russen	Provo
Hurst, Claribel	Provo
Ingram, Ruth.....	Provo
Jacobsen, Reece B.	Provo
Johnson, Franklin	Provo
Johnson, Lyvert	Provo
Johnson, Martin	Provo
Johnson, Arvon	Provo
Johnson, Mertilla	Roosevelt
Jolley, Rayford	Provo
Jones, Cannon	Provo
Jones, Earl	Provo
Jones, Madge	Rockville
Jones, Orpha	St. Anthony
Kartchner, Wayne	Provo
Kenney, Don Earl	Holden
Kirkhuff, Barnice	Provo
Knudsen, Oral	Provo
Larsen, Lola M.	Provo
Lisonbee, Gilbert	Provo
Long, Florence	Provo
Ludlow, Fern	Benjamin
McEwan, Milton	Provo
Mackay, John	Provo
Mackay, Thurza	Provo
Mangum, Thelma	Provo
Massey, Virgel	Vernal
Murdock, Erma	Heber

STUDENTS.

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Mecham, Earl	Wallsburg
Meldrum, Verda	Provo
Miller, Frank	St. Anthony, Idaho
Miller, Hilda	Provo
Miller, Robert E.	McGill, Nevada
Mitchell, Frank A.	Provo
Mitchell, Ruth	Provo
Morrill, Jesse	Provo
Muhlestein, Zina	Proov
Muhlestein, Lucy	Provo
Nelson, Carl	Provo
Newell, Clark B.	Provo
Nilsson, Maud	Provo
Nuttall, Ralph H.	Provo
Oakley, Alta	Provo
Odekirk, Mary	Myton
Oldroyd, Joseph Nelson	Provo
Olesen, Alfred	Provo
Olsen, Irets	Provo
Openshaw, Rulon	Provo
Orrock, Annie	Midway
Page, Orvil	Provo
Patterson, Alma C.	Sp. Fork
Peay, LaVon	Provo
Penrod, LaVon	Provo
Perry, Shirley	Provo
Peterson, Arvilla	Benjamin
Peterson, Lelith	Provo
Pickering, Grace	Provo
Potter, Jennie	Provo
Price, Willard	Charleston
Probert, Phoebe	Ibapah
Prows, Eldon	Provo
Rawson, Veva	Carey, Idaho
Riggs, John S.	Hatch
Robinson, Wina	Provo
Roundy, Ethel	Provo
Rozelle, Ross	Provo
Russell, Ile	Oakley
St. Jeor, Pearl	Provo

St. Jeor, America	Provo
Saxey, Ada	Provo
Scott, Marie	Cane Beds, Ariz.
Scott, Maude	Provo
Schweitzen, Grace	Provo
Shomaker, Lavilla	Manti
Sorenson, Wm.	Provo
Slack, Ida	Provo
Smart, Bayliss	Provo
Stoddard, Kate	Provo
Stone, Leslie	Arco, Idaho
Tangreen, Zola	Provo
Tanner, Clarice	Provo
Taylor, Fontella	Provo
Thompson, Warren D.	Mtn. Home
Thurmond, Roberta	Provo
Vance, Maria	Provo
Varley, Lowell	Provo RD
Vest, Veda	Provo
Vest, Edward	Mona
Wasden, Florence	Provo
Werner, Linford	Provo
Westwood, Paul	Provo
Whitehead, Walter	Provo
Williams, Jenda	Provo
Wilkenson, Wm. L.	McGill, Nevada
Winegar, Grace	Jackson, Wyo.
Winterton, Harold	Charleston
Wride, Francis	Benjamin
Wunderly, Rose	Provo
Wunderly, Anna	Provo
Young, Mary	Huntington
Young, Lee	Huntington

ELEMENTARY TRAINING SCHOOL.

Aagard, Joy	Provo
Allen, Joseph K.	Provo
Allen, Robert K.	Provo
Allen, Mark	Provo

Allen, Norma	Provo
Ahlstrom, Duane	Provo
Ahlstrom, Glade	Provo
Anderson, Albert	Provo
Anderson, Dean	Provo
Anderson, Julia	Provo
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